

1 Test Results for Mobile Device Acquisition Tool – 2 Oxygen Analyst v7.0.0.408

3 The main item of interest for interpreting the test results is determining the conformance
4 of the tool under test. Conformance with each assertion tested by a given test case is
5 evaluated by examining the **Log Highlights** box of the test report.
6

7 1.1 Test Results Report Key

8 The following table presents an explanation of each section of the test details in section
9 1.2. The Tester Name, Test Host, Test Date, Device, Source Setup and Log Highlights
10 sections for each test case are populated by excerpts taken from the log files produced by
11 the tool under test.
12
13

| Heading | Description |
|-----------------|--|
| First Line: | Test case ID, name, and version of tool tested. |
| Case Summary: | Test case summary from <i>Mobile Device Tool Test Assertions and Test Plan (Draft 1 Version 1.0, July 8, 2014)</i> . |
| Assertions: | The test assertions applicable to the test case, selected from <i>Mobile Device Tool Test Assertions and Test Plan (Draft 1 Version 1.0, July 8, 2014)</i> . |
| Tester Name: | Name or initials of person executing test procedure. |
| Test Host: | Host computer executing the test. |
| Test Date: | Time and date that test was started. |
| Device: | Source mobile device, SIM. |
| Source Setup: | Acquisition interface. |
| Log Highlights: | Information extracted from various log files to illustrate conformance or non-conformance to the test assertions. |

14 **Table 1: Test Results Report Key**
15

1.2 Test Results

The test results are presented in this section.

1.2.1 MDT-01 – iPhone5 GSM

| Test Case MDT-01 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|---|--|--|-----------------------------|---------------|---|-------------|
| Case Summary: | MDT-01 Acquire mobile device internal memory over tool-supported interfaces (e.g., cable, Bluetooth, IrDA). | | | | | |
| Assertions: | MDT-CA-01 If a mobile device forensic tool provides support for connectivity of the target device then the tool shall successfully recognize the target device via all vendor supported interfaces (e.g., cable, Bluetooth, IrDA). | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Tue Feb 3 06:49:23 EST 2015 | | | | | |
| Device: | iPhone5 GSM | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Tue Feb 3 06:49:23 EST 2015 Acquisition finished: Tue Feb 3 06:57:39 EST 2015 Device connectivity was established via supported interface | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-CA-01 Device connectivity via supported interfaces.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-CA-01 Device connectivity via supported interfaces. | as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-CA-01 Device connectivity via supported interfaces. | as expected | | | | | |
| Analysis: | Expected results achieved | | | | | |

1.2.2 MDT-02 – iPhone5 GSM

| Test Case MDT-02 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|---|--|--|-----------------------------|---------------|--|-------------|
| Case Summary: | MDT-02 Begin mobile device internal memory acquisition and interrupt connectivity by interface disengagement. | | | | | |
| Assertions: | MDT-CA-02 If connectivity between the mobile device and mobile device forensic tool is disrupted then the tool shall notify the user that connectivity has been disrupted. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Tue Feb 3 06:49:45 EST 2015 | | | | | |
| Device: | iPhone5_GSM | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Tue Feb 3 06:49:45 EST 2015 Acquisition finished: Tue Feb 3 06:57:46 EST 2015 Device acquisition disruption notification was successful | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-CA-02 Notification of device acquisition disruption.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-CA-02 Notification of device acquisition disruption. | as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-CA-02 Notification of device acquisition disruption. | as expected | | | | | |
| Analysis: | Expected results achieved | | | | | |

24 1.2.3 MDT-03 – iPhone5 GSM

| Test Case MDT-03 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|--|--|--|-----------------------------|---------------|--|-------------|
| Case Summary: | MDT-03 Acquire mobile device internal memory and review reported data via the preview-pane or generated reports for readability. | | | | | |
| Assertions: | MDT-CA-03 If a mobile device forensic tool completes acquisition of the target device without error then the tool shall have the ability to present acquired data objects in a useable format via either a preview-pane or generated report. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Tue Feb 3 06:50:22 EST 2015 | | | | | |
| Device: | iPhone5_GSM | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Tue Feb 3 06:50:22 EST 2015 Acquisition finished: Tue Feb 3 06:57:52 EST 2015 Readability and completeness of acquired data was successful | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-CA-03 Readability and completeness of acquired data via supported reports.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-CA-03 Readability and completeness of acquired data via supported reports. | as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-CA-03 Readability and completeness of acquired data via supported reports. | as expected | | | | | |
| Analysis: | Expected results achieved | | | | | |

25

26 1.2.4 MDT-04 – iPhone5 GSM

| Test Case MDT-04 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|---|---|--|-----------------------------|---------------|---|-------------|
| Case Summary: | MDT-04 Acquire mobile device internal memory and review reported subscriber and equipment related information (e.g., IMSI, IMEI, MEID/ESN, MSISDN). | | | | | |
| Assertions: | MDT-CA-04 If a mobile device forensic tool completes acquisition of the target device without error then subscriber and equipment related information shall be presented in a useable format. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Tue Feb 3 06:50:44 EST 2015 | | | | | |
| Device: | iPhone5 GSM | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Tue Feb 3 06:50:44 EST 2015 Acquisition finished: Tue Feb 3 06:58:00 EST 2015 Subscriber and Equipment related data (i.e., MSISDN, IMEI) were acquired | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-CA-04 Acquisition of mobile device subscriber and equipment related data in a useable format.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-CA-04 Acquisition of mobile device subscriber and equipment related data in a useable format. | as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-CA-04 Acquisition of mobile device subscriber and equipment related data in a useable format. | as expected | | | | | |
| Analysis: | Expected results achieved | | | | | |

27

28

29 1.2.5 MDT-05 – iPhone5 GSM

| Test Case MDT-05 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|---|--|--|-----------------------------|---------------|---|-------------|
| Case Summary: | MDT-05 Acquire mobile device internal memory and review supported data elements (i.e., PIM data, call logs, SMS, MMS, stand-alone files: audio, pictures, video, application related data: documents, spreadsheets, presentations, social-media data and Internet related data: bookmarks, visited sites). | | | | | |
| Assertions: | MDT-CA-05 If a mobile device forensic tool completes acquisition of the target device without error then all supported data elements shall be presented in a useable format. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Tue Feb 3 06:51:06 EST 2015 | | | | | |
| Device: | iPhone5 GSM | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Tue Feb 3 06:51:06 EST 2015 Acquisition finished: Tue Feb 3 06:58:06 EST 2015 All address book entries were successfully acquired ALL PIM related data was acquired All Call Logs (incoming, outgoing, missed) were acquired All Call Log date/time stamps data were correctly reported ALL text messages (SMS, EMS) were acquired Correct date/time stamps were reported for all text messages Correct status flags were reported for all text messages Sender and Recipient phone numbers associated with text messages were correctly reported ALL MMS messages (Audio, Image, Video) were acquired ALL stand-alone data files (Audio, Image, Video) were acquired All application data was acquired All Internet related data was acquired All Social media related data was acquired | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-CA-05 Acquisition of all mobile device supported data elements in a useable format.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-CA-05 Acquisition of all mobile device supported data elements in a useable format. | as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-CA-05 Acquisition of all mobile device supported data elements in a useable format. | as expected | | | | | |
| Analysis: | Expected results achieved | | | | | |

30

31 1.2.6 MDT-06 – iPhone5 GSM

| Test Case MDT-06 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | |
|---|--|--|
| Case Summary: | MDT-06 Acquire mobile device internal memory by selecting a combination of supported data elements. | |
| Assertions: | <p>MDT-CA-06 If a mobile device forensic tool provides the user with an Acquire All device data objects acquisition option then the tool shall complete the acquisition of all data objects without error. MDT-CA-07 If a mobile device forensic tool provides the user with an Select All individual device data objects then the tool shall complete the acquisition of all individually selected data objects without error. MDT-CA-08 If a mobile device forensic tool provides the user with the ability to Select Individual device data objects for acquisition then the tool shall acquire each exclusive data object without error. MDT-CA-09 If a mobile device forensic tool completes two consecutive logical acquisitions of the target device without error then the payload (data objects) on the mobile device shall remain consistent.</p> | |
| Tester Name: | rpa | |
| Test Host: | p644381 | |
| Test Date: | Tue Feb 3 06:51:26 EST 2015 | |

| Test Case MDT-06 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | | | | | | |
|--|---|-----------------------------|---------------|---|-------------|--|----|---|----|--|-------------|
| Device: | iPhone5 GSM | | | | | | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Tue Feb 3 06:51:26 EST 2015 Acquisition finished: Tue Feb 3 06:58:13 EST 2015 Acquire All acquisition was successful | | | | | | | | | | |
| Results: | <table> <tr> <th>Assertion & Expected Result</th><th>Actual Result</th></tr> <tr> <td>MDT-CA-06 Acquire-all mobile device data objects acquisition.</td><td>as expected</td></tr> <tr> <td>MDT-CA-07 Select-all mobile device data objects acquisition.</td><td>NA</td></tr> <tr> <td>MDT-CA-08 Select-individual mobile device data objects acquisition.</td><td>NA</td></tr> <tr> <td>MDT-CA-09 Perform back-to-back acquisitions, check device payload for modifications.</td><td>as expected</td></tr> </table> | Assertion & Expected Result | Actual Result | MDT-CA-06 Acquire-all mobile device data objects acquisition. | as expected | MDT-CA-07 Select-all mobile device data objects acquisition. | NA | MDT-CA-08 Select-individual mobile device data objects acquisition. | NA | MDT-CA-09 Perform back-to-back acquisitions, check device payload for modifications. | as expected |
| Assertion & Expected Result | Actual Result | | | | | | | | | | |
| MDT-CA-06 Acquire-all mobile device data objects acquisition. | as expected | | | | | | | | | | |
| MDT-CA-07 Select-all mobile device data objects acquisition. | NA | | | | | | | | | | |
| MDT-CA-08 Select-individual mobile device data objects acquisition. | NA | | | | | | | | | | |
| MDT-CA-09 Perform back-to-back acquisitions, check device payload for modifications. | as expected | | | | | | | | | | |
| Analysis: | Expected results achieved | | | | | | | | | | |

32

33 1.2.7 MDT-12 – iPhone5 GSM

| Test Case MDT-12 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | |
|---|---|-----------------------------|---------------|--|-------------|
| Case Summary: | MDT-12 After a successful mobile device internal memory, alter the case file via third-party means and attempt to re-open the case. | | | | |
| Assertions: | MDT-AO-08 If the case file or individual data objects are modified via third-party means then the tool shall provide protection mechanisms disallowing or reporting data modification. | | | | |
| Tester Name: | rpa | | | | |
| Test Host: | p644381 | | | | |
| Test Date: | Tue Feb 3 06:51:53 EST 2015 | | | | |
| Device: | iPhone_GSM | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Tue Feb 3 06:51:53 EST 2015 Acquisition finished: Tue Feb 3 06:58:23 EST 2015 Notification of modified device memory data was successful | | | | |
| Results: | <table> <tr> <th>Assertion & Expected Result</th><th>Actual Result</th></tr> <tr> <td>MDT-AO-08 Notification of modified device case data.</td><td>as expected</td></tr> </table> | Assertion & Expected Result | Actual Result | MDT-AO-08 Notification of modified device case data. | as expected |
| Assertion & Expected Result | Actual Result | | | | |
| MDT-AO-08 Notification of modified device case data. | as expected | | | | |
| Analysis: | Expected results achieved | | | | |

34

35

36 **1.2.8 MDT-19 – iPhone5 GSM**

| Test Case MDT-19 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | |
|---|--|-----------------------------|---------------|---|-------------|
| Case Summary: | MDT-19 Acquire mobile device internal memory and review data containing non-ASCII characters. | | | | |
| Assertions: | MDT-AO-13 If the mobile device forensic tool supports display of non-ASCII characters then acquired data containing non-ASCII characters should be presented in their native format. | | | | |
| Tester Name: | rpa | | | | |
| Test Host: | p644381 | | | | |
| Test Date: | Tue Feb 3 06:52:16 EST 2015 | | | | |
| Device: | iPhone5 GSM | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Tue Feb 3 06:52:16 EST 2015 Acquisition finished: Tue Feb 3 06:58:31 EST 2015 Non-ASCII Address book entries were acquired and properly displayed Non-ASCII text messages were acquired and properly displayed | | | | |
| Results: | <table border="1"> <thead> <tr> <th>Assertion & Expected Result</th><th>Actual Result</th></tr> </thead> <tbody> <tr> <td>MDT-AO-13 Acquisition of data containing non-ASCII characters presented in their native format.</td><td>as expected</td></tr> </tbody> </table> | Assertion & Expected Result | Actual Result | MDT-AO-13 Acquisition of data containing non-ASCII characters presented in their native format. | as expected |
| Assertion & Expected Result | Actual Result | | | | |
| MDT-AO-13 Acquisition of data containing non-ASCII characters presented in their native format. | as expected | | | | |
| Analysis: | Expected results achieved | | | | |

37

38 **1.2.9 MDT-22 – iPhone5 GSM**

| Test Case MDT-22 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | |
|---|---|-----------------------------|---------------|---|-------------|
| Case Summary: | MDT-22 Acquire mobile device internal memory and review hash values for vendor supported data objects. | | | | |
| Assertions: | MDT-AO-15 If the mobile device forensic tool supports hashing for individual data objects then the tool shall present the user with a hash value for each supported data object. | | | | |
| Tester Name: | rpa | | | | |
| Test Host: | p644381 | | | | |
| Test Date: | Tue Feb 3 06:52:45 EST 2015 | | | | |
| Device: | iPhone5 GSM | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Tue Feb 3 06:52:45 EST 2015 Acquisition finished: Tue Feb 3 06:58:38 EST 2015 Hash values were properly reported for individually acquired device data elements | | | | |
| Results: | <table border="1"> <thead> <tr> <th>Assertion & Expected Result</th><th>Actual Result</th></tr> </thead> <tbody> <tr> <td>MDT-AO-15 Hash values for individual data and case presented in a useable format.</td><td>as expected</td></tr> </tbody> </table> | Assertion & Expected Result | Actual Result | MDT-AO-15 Hash values for individual data and case presented in a useable format. | as expected |
| Assertion & Expected Result | Actual Result | | | | |
| MDT-AO-15 Hash values for individual data and case presented in a useable format. | as expected | | | | |
| Analysis: | Expected results achieved | | | | |

39

40

41 1.2.10 MDT-24 – iPhone5 GSM

| Test Case MDT-24 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|--|--|--|-----------------------------|---------------|--|-------------|
| Case Summary: | MDT-24 Acquire mobile device internal memory and review data containing GPS longitude and latitude coordinates | | | | | |
| Assertions: | MDT-AO-16 If the mobile device forensic tool supports acquisition of GPS data then the tool shall present the user with the longitude and latitude coordinates for all GPS-related data in a useable format. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Tue Feb 3 06:53:14 EST 2015 | | | | | |
| Device: | iPhone5 GSM | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Tue Feb 3 06:53:14 EST 2015 Acquisition finished: Tue Feb 3 06:58:44 EST 2015 GPS Coordinate data was successfully acquired | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-AO-16 Acquisition of GPS related data presented in a useable format.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-AO-16 Acquisition of GPS related data presented in a useable format. | as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-AO-16 Acquisition of GPS related data presented in a useable format. | as expected | | | | | |
| Analysis: | Expected results achieved | | | | | |

42

43 1.2.11 MDT-01 – iPhone5s CDMA

| Test Case MDT-01 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|---|--|--|-----------------------------|---------------|---|---------|
| Case Summary: | MDT-01 Acquire mobile device internal memory over tool-supported interfaces (e.g., cable, Bluetooth, IrDA). | | | | | |
| Assertions: | MDT-CA-01 If a mobile device forensic tool provides support for connectivity of the target device then the tool shall successfully recognize the target device via all vendor supported interfaces (e.g., cable, Bluetooth, IrDA). | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Tue Feb 3 07:33:43 EST 2015 | | | | | |
| Device: | iPhone5S CDMA | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | <p>Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Tue Feb 3 07:33:43 EST 2015 Acquisition finished: Tue Feb 3 07:38:37 EST 2015</p> <p>Device Connectivity was not established via supported interface</p> <p>Notes: When attempting an advanced logical method acquisition - the acquisition is not successful.</p> <p>The acquisition ran for 16 hours and never passed acquiring c:\FileRelay\MobileAsset.cpio.gz</p> <p>The classical logical method had to be used for acquisition of data.</p> | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-CA-01 Device connectivity via supported interfaces.</td><td>Partial</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-CA-01 Device connectivity via supported interfaces. | Partial |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-CA-01 Device connectivity via supported interfaces. | Partial | | | | | |

| | |
|--|--------------------------|
| Test Case MDT-01 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | |
| Analysis: | Partial results achieved |

44

45 1.2.12 MDT-02 – iPhone5s CDMA

| Test Case MDT-02 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | |
|--|--|-----------------------------|---------------|--|-------------|
| Case Summary: | MDT-02 Begin mobile device internal memory acquisition and interrupt connectivity by interface disengagement. | | | | |
| Assertions: | MDT-CA-02 If connectivity between the mobile device and mobile device forensic tool is disrupted then the tool shall notify the user that connectivity has been disrupted. | | | | |
| Tester Name: | rpa | | | | |
| Test Host: | p644381 | | | | |
| Test Date: | Tue Feb 3 07:34:04 EST 2015 | | | | |
| Device: | iPhone5s CDMA | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Tue Feb 3 07:34:04 EST 2015 Acquisition finished: Tue Feb 3 07:38:43 EST 2015 Device acquisition disruption notification was successful | | | | |
| Results: | <table border="1"> <thead> <tr> <th>Assertion & Expected Result</th><th>Actual Result</th></tr> </thead> <tbody> <tr> <td>MDT-CA-02 Notification of device acquisition disruption.</td><td>as expected</td></tr> </tbody> </table> | Assertion & Expected Result | Actual Result | MDT-CA-02 Notification of device acquisition disruption. | as expected |
| Assertion & Expected Result | Actual Result | | | | |
| MDT-CA-02 Notification of device acquisition disruption. | as expected | | | | |
| Analysis: | Expected results achieved | | | | |

46

47 1.2.13 MDT-03 – iPhone5s CDMA

| Test Case MDT-03 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | |
|--|--|-----------------------------|---------------|--|-------------|
| Case Summary: | MDT-03 Acquire mobile device internal memory and review reported data via the preview-pane or generated reports for readability. | | | | |
| Assertions: | MDT-CA-03 If a mobile device forensic tool completes acquisition of the target device without error then the tool shall have the ability to present acquired data objects in a useable format via either a preview-pane or generated report. | | | | |
| Tester Name: | rpa | | | | |
| Test Host: | p644381 | | | | |
| Test Date: | Tue Feb 3 07:34:27 EST 2015 | | | | |
| Device: | iPhone5s CDMA | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Tue Feb 3 07:34:27 EST 2015 Acquisition finished: Tue Feb 3 07:38:49 EST 2015 Readability and completeness of acquired data was successful | | | | |
| Results: | <table border="1"> <thead> <tr> <th>Assertion & Expected Result</th><th>Actual Result</th></tr> </thead> <tbody> <tr> <td>MDT-CA-03 Readability and completeness of acquired data via supported reports.</td><td>as expected</td></tr> </tbody> </table> | Assertion & Expected Result | Actual Result | MDT-CA-03 Readability and completeness of acquired data via supported reports. | as expected |
| Assertion & Expected Result | Actual Result | | | | |
| MDT-CA-03 Readability and completeness of acquired data via supported reports. | as expected | | | | |
| Analysis: | Expected results achieved | | | | |

48

49 **1.2.14 MDT-04 – iPhone5s CDMA**

| Test Case MDT-04 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|---|---|--|-----------------------------|---------------|---|-------------|
| Case Summary: | MDT-04 Acquire mobile device internal memory and review reported subscriber and equipment related information (e.g., IMSI, IMEI, MEID/ESN, MSISDN). | | | | | |
| Assertions: | MDT-CA-04 If a mobile device forensic tool completes acquisition of the target device without error then subscriber and equipment related information shall be presented in a useable format. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Tue Feb 3 07:34:53 EST 2015 | | | | | |
| Device: | iPhone5s CDMA | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Tue Feb 3 07:34:53 EST 2015 Acquisition finished: Tue Feb 3 07:38:55 EST 2015 IMEI, MEID/ESN were acquired | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-CA-04 Acquisition of mobile device subscriber and equipment related data in a useable format.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-CA-04 Acquisition of mobile device subscriber and equipment related data in a useable format. | as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-CA-04 Acquisition of mobile device subscriber and equipment related data in a useable format. | as expected | | | | | |
| Analysis: | Expected results achieved | | | | | |

50

51 **1.2.15 MDT-05 – iPhone5s CDMA**

| Test Case MDT-05 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | |
|---|--|--|
| Case Summary: | MDT-05 Acquire mobile device internal memory and review supported data elements (i.e., PIM data, call logs, SMS, MMS, stand-alone files: audio, pictures, video, application related data: documents, spreadsheets, presentations, social-media data and Internet related data: bookmarks, visited sites). | |
| Assertions: | MDT-CA-05 If a mobile device forensic tool completes acquisition of the target device without error then all supported data elements shall be presented in a useable format. | |
| Tester Name: | rpa | |
| Test Host: | p644381 | |
| Test Date: | Tue Feb 3 07:35:17 EST 2015 | |
| Device: | iPhone5s CDMA | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Tue Feb 3 07:35:17 EST 2015 Acquisition finished: Tue Feb 3 07:39:03 EST 2015 All address book entries were successfully acquired ALL PIM related data was acquired All Call Logs (incoming, outgoing, missed) were acquired All Call Log date/time stamps data were correctly reported ALL text messages (SMS, EMS) were acquired Correct date/time stamps were reported for all text messages Correct status flags were reported for all text messages Sender and Recipient phone numbers associated with text messages were correctly reported ALL MMS messages (Audio, Image, Video) were acquired ALL stand-alone data files (Audio, Image, Video) were acquired All application data was acquired All Internet related data was acquired All Social media related data was acquired | |

| Test Case MDT-05 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | |
|---|---|---------------|
| Results: | | |
| | Assertion & Expected Result | Actual Result |
| | MDT-CA-05 Acquisition of all mobile device supported data elements in a useable format. | as expected |
| Analysis: | Expected results achieved | |

52

53 **1.2.16 MDT-06 – iPhone5s CDMA**

| Test Case MDT-06 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | | | | | | | |
|--|---|--|-----------------------------|---------------|---|-------------|--|----|---|----|--|-------------|
| Case Summary: | MDT-06 Acquire mobile device internal memory by selecting a combination of supported data elements. | | | | | | | | | | | |
| Assertions: | MDT-CA-06 If a mobile device forensic tool provides the user with an Acquire All device data objects acquisition option then the tool shall complete the acquisition of all data objects without error. MDT-CA-07 If a mobile device forensic tool provides the user with an Select All individual device data objects then the tool shall complete the acquisition of all individually selected data objects without error. MDT-CA-08 If a mobile device forensic tool provides the user with the ability to Select Individual device data objects for acquisition then the tool shall acquire each exclusive data object without error. MDT-CA-09 If a mobile device forensic tool completes two consecutive logical acquisitions of the target device without error then the payload (data objects) on the mobile device shall remain consistent. | | | | | | | | | | | |
| Tester Name: | rpa | | | | | | | | | | | |
| Test Host: | p644381 | | | | | | | | | | | |
| Test Date: | Tue Feb 3 07:35:37 EST 2015 | | | | | | | | | | | |
| Device: | iPhone5s CDMA | | | | | | | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | | | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Tue Feb 3 07:35:37 EST 2015 Acquisition finished: Tue Feb 3 07:39:08 EST 2015 Acquire All acquisition was successful | | | | | | | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-CA-06 Acquire-all mobile device data objects acquisition.</td><td>as expected</td></tr><tr><td>MDT-CA-07 Select-all mobile device data objects acquisition.</td><td>NA</td></tr><tr><td>MDT-CA-08 Select-individual mobile device data objects acquisition.</td><td>NA</td></tr><tr><td>MDT-CA-09 Perform back-to-back acquisitions, check device payload for modifications.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-CA-06 Acquire-all mobile device data objects acquisition. | as expected | MDT-CA-07 Select-all mobile device data objects acquisition. | NA | MDT-CA-08 Select-individual mobile device data objects acquisition. | NA | MDT-CA-09 Perform back-to-back acquisitions, check device payload for modifications. | as expected |
| Assertion & Expected Result | Actual Result | | | | | | | | | | | |
| MDT-CA-06 Acquire-all mobile device data objects acquisition. | as expected | | | | | | | | | | | |
| MDT-CA-07 Select-all mobile device data objects acquisition. | NA | | | | | | | | | | | |
| MDT-CA-08 Select-individual mobile device data objects acquisition. | NA | | | | | | | | | | | |
| MDT-CA-09 Perform back-to-back acquisitions, check device payload for modifications. | as expected | | | | | | | | | | | |
| Analysis: | Expected results achieved | | | | | | | | | | | |

54

55

56 **1.2.17 MDT-12 – iPhone5s CDMA**

| Test Case MDT-12 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|---|--|--|-----------------------------|---------------|--|-----------------|
| Case Summary: | MDT-12 After a successful mobile device internal memory, alter the case file via third-party means and attempt to re-open the case. | | | | | |
| Assertions: | MDT-AO-08 If the case file or individual data objects are modified via third-party means then the tool shall provide protection mechanisms disallowing or reporting data modification. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Tue Feb 3 07:35:56 EST 2015 | | | | | |
| Device: | iPhone5s CDMA | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Tue Feb 3 07:35:56 EST 2015 Acquisition finished: Tue Feb 3 07:39:15 EST 2015 Notification of modified device memory data was not successful Notes: No warning message was provided when re-opening a modified oxygen backup file. | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-AO-08 Notification of modified device case data.</td><td>Not as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-AO-08 Notification of modified device case data. | Not as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-AO-08 Notification of modified device case data. | Not as expected | | | | | |
| Analysis: | Expected results Not achieved | | | | | |

57

58 **1.2.18 MDT-19 – iPhone5s CDMA**

| Test Case MDT-19 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|---|--|--|-----------------------------|---------------|---|-------------|
| Case Summary: | MDT-19 Acquire mobile device internal memory and review data containing non-ASCII characters. | | | | | |
| Assertions: | MDT-AO-13 If the mobile device forensic tool supports display of non-ASCII characters then acquired data containing non-ASCII characters should be presented in their native format. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Tue Feb 3 07:36:24 EST 2015 | | | | | |
| Device: | iPhone5s CDMA | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Tue Feb 3 07:36:24 EST 2015 Acquisition finished: Tue Feb 3 07:39:26 EST 2015 Non-ASCII Address book entries were acquired and properly displayed Non-ASCII text messages were acquired and properly displayed | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-AO-13 Acquisition of data containing non-ASCII characters presented in their native format.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-AO-13 Acquisition of data containing non-ASCII characters presented in their native format. | as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-AO-13 Acquisition of data containing non-ASCII characters presented in their native format. | as expected | | | | | |
| Analysis: | Expected results achieved | | | | | |

59

60

61 **1.2.19 MDT-22 – iPhone5s CDMA**

| Test Case MDT-22 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|---|--|--|-----------------------------|---------------|---|-------------|
| Case Summary: | MDT-22 Acquire mobile device internal memory and review hash values for vendor supported data objects. | | | | | |
| Assertions: | MDT-AO-15 If the mobile device forensic tool supports hashing for individual data objects then the tool shall present the user with a hash value for each supported data object. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Tue Feb 3 07:36:49 EST 2015 | | | | | |
| Device: | iPhone5s CDMA | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Tue Feb 3 07:36:49 EST 2015 Acquisition finished: Tue Feb 3 07:39:34 EST 2015 Hash values were properly reported for individually acquired device data elements | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-AO-15 Hash values for individual data and case presented in a useable format.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-AO-15 Hash values for individual data and case presented in a useable format. | as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-AO-15 Hash values for individual data and case presented in a useable format. | as expected | | | | | |
| Analysis: | Expected results achieved | | | | | |

62

63 **1.2.20 MDT-24 – iPhone5s CDMA**

| | | | | | | |
|--|--|--|-----------------------------|---------------|--|-------------|
| Test Case MDT-24 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
| Case Summary: | MDT-24 Acquire mobile device internal memory and review data containing GPS longitude and latitude coordinates | | | | | |
| Assertions: | MDT-AO-16 If the mobile device forensic tool supports acquisition of GPS data then the tool shall present the user with the longitude and latitude coordinates for all GPS-related data in a useable format. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Tue Feb 3 07:37:11 EST 2015 | | | | | |
| Device: | iPhone5s CDMA | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Tue Feb 3 07:37:11 EST 2015 Acquisition finished: Tue Feb 3 07:39:42 EST 2015 GPS Coordinate data was successfully acquired | | | | | |
| Results: | <table><tr><td>Assertion & Expected Result</td><td>Actual Result</td></tr><tr><td>MDT-AO-16 Acquisition of GPS related data presented in a useable format.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-AO-16 Acquisition of GPS related data presented in a useable format. | as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-AO-16 Acquisition of GPS related data presented in a useable format. | as expected | | | | | |
| Analysis: | Expected results achieved | | | | | |

64

65

66 1.2.21 MDT-01 – iPad GSM

| Test Case MDT-01 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|---|--|--|-----------------------------|---------------|---|-------------|
| Case Summary: | MDT-01 Acquire mobile device internal memory over tool-supported interfaces (e.g., cable, Bluetooth, IrDA). | | | | | |
| Assertions: | MDT-CA-01 If a mobile device forensic tool provides support for connectivity of the target device then the tool shall successfully recognize the target device via all vendor supported interfaces (e.g., cable, Bluetooth, IrDA). | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Tue Feb 3 07:29:38 EST 2015 | | | | | |
| Device: | iPad GSM | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Tue Feb 3 07:29:38 EST 2015 Acquisition finished: Tue Feb 3 07:37:22 EST 2015 Device connectivity was established via supported interface | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-CA-01 Device connectivity via supported interfaces.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-CA-01 Device connectivity via supported interfaces. | as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-CA-01 Device connectivity via supported interfaces. | as expected | | | | | |
| Analysis: | Expected results achieved | | | | | |

67

68 1.2.22 MDT-02 – iPad GSM

| Test Case MDT-02 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|---|--|--|-----------------------------|---------------|--|-------------|
| Case Summary: | MDT-02 Begin mobile device internal memory acquisition and interrupt connectivity by interface disengagement. | | | | | |
| Assertions: | MDT-CA-02 If connectivity between the mobile device and mobile device forensic tool is disrupted then the tool shall notify the user that connectivity has been disrupted. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Tue Feb 3 07:29:54 EST 2015 | | | | | |
| Device: | iPadGSM | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Tue Feb 3 07:29:54 EST 2015 Acquisition finished: Tue Feb 3 07:37:29 EST 2015 Device acquisition disruption notification was successful | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-CA-02 Notification of device acquisition disruption.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-CA-02 Notification of device acquisition disruption. | as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-CA-02 Notification of device acquisition disruption. | as expected | | | | | |
| Analysis: | Expected results achieved | | | | | |

69

70

71 **1.2.23 MDT-03 – iPad GSM**

| | | |
|---|--|-------------------------------------|
| Test Case MDT-03 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | |
| Case Summary: | MDT-03 Acquire mobile device internal memory and review reported data via the preview-pane or generated reports for readability. | |
| Assertions: | MDT-CA-03 If a mobile device forensic tool completes acquisition of the target device without error then the tool shall have the ability to present acquired data objects in a useable format via either a preview-pane or generated report. | |
| Tester Name: | rpa | |
| Test Host: | p644381 | |
| Test Date: | Tue Feb 3 07:30:15 EST 2015 | |
| Device: | iPad_GSM | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Tue Feb 3 07:30:15 EST 2015 Acquisition finished: Tue Feb 3 07:37:34 EST 2015 Readability and completeness of acquired data was successful | |
| Results: | Assertion & Expected Result | |
| | MDT-CA-03 Readability and completeness of acquired data via supported reports. | Actual Result as expected |
| Analysis: | Expected results achieved | |

72

73 **1.2.24 MDT-04 – iPad GSM**

| Test Case MDT-04 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|---|---|--|-----------------------------|---------------|---|-------------|
| Case Summary: | MDT-04 Acquire mobile device internal memory and review reported subscriber and equipment related information (e.g., IMSI, IMEI, MEID/ESN, MSISDN). | | | | | |
| Assertions: | MDT-CA-04 If a mobile device forensic tool completes acquisition of the target device without error then subscriber and equipment related information shall be presented in a useable format. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Tue Feb 3 07:30:34 EST 2015 | | | | | |
| Device: | iPad GSM | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Tue Feb 3 07:30:34 EST 2015 Acquisition finished: Tue Feb 3 07:37:41 EST 2015 Subscriber and Equipment related data (i.e., MSISDN, IMEI) were acquired | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-CA-04 Acquisition of mobile device subscriber and equipment related data in a useable format.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-CA-04 Acquisition of mobile device subscriber and equipment related data in a useable format. | as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-CA-04 Acquisition of mobile device subscriber and equipment related data in a useable format. | as expected | | | | | |
| Analysis: | Expected results achieved | | | | | |

74

75

1.2.25 MDT-05 – iPad GSM

| Test Case MDT-05 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | |
|---|--|-----------------------------|---------------|---|---------|
| Case Summary: | MDT-05 Acquire mobile device internal memory and review supported data elements (i.e., PIM data, call logs, SMS, MMS, stand-alone files: audio, pictures, video, application related data: documents, spreadsheets, presentations, social-media data and Internet related data: bookmarks, visited sites). | | | | |
| Assertions: | MDT-CA-05 If a mobile device forensic tool completes acquisition of the target device without error then all supported data elements shall be presented in a useable format. | | | | |
| Tester Name: | rpa | | | | |
| Test Host: | p644381 | | | | |
| Test Date: | Tue Feb 3 07:30:58 EST 2015 | | | | |
| Device: | iPad GSM | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | |
| Log Highlights: | <p>Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Tue Feb 3 07:30:58 EST 2015 Acquisition finished: Tue Feb 3 07:37:47 EST 2015</p> <p>All address book entries were successfully acquired ALL PIM related data was acquired ALL text messages (SMS, EMS) were acquired Correct date/time stamps were reported for all text messages Correct status flags were reported for all text messages Sender and Recipient phone numbers associated with text messages were correctly reported ALL MMS messages (Audio, Image, Video) were acquired ALL stand-alone data files (Audio, Image, Video) were acquired All application data was acquired All Internet related data was acquired Partial Social media related data was acquired</p> <p>Notes: Only two of three social network applications were listed. Linkedin was not listed in social networks.</p> | | | | |
| Results: | <table border="1"> <thead> <tr> <th>Assertion & Expected Result</th><th>Actual Result</th></tr> </thead> <tbody> <tr> <td>MDT-CA-05 Acquisition of all mobile device supported data elements in a useable format.</td><td>Partial</td></tr> </tbody> </table> | Assertion & Expected Result | Actual Result | MDT-CA-05 Acquisition of all mobile device supported data elements in a useable format. | Partial |
| Assertion & Expected Result | Actual Result | | | | |
| MDT-CA-05 Acquisition of all mobile device supported data elements in a useable format. | Partial | | | | |
| Analysis: | Partial results achieved | | | | |

1.2.26 MDT-06 – iPad GSM

| Test Case MDT-06 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | |
|---|--|
| Case Summary: | MDT-06 Acquire mobile device internal memory by selecting a combination of supported data elements. |
| Assertions: | <p>MDT-CA-06 If a mobile device forensic tool provides the user with an Acquire All device data objects acquisition option then the tool shall complete the acquisition of all data objects without error.</p> <p>MDT-CA-07 If a mobile device forensic tool provides the user with an Select All individual device data objects then the tool shall complete the acquisition of all individually selected data objects without error.</p> <p>MDT-CA-08 If a mobile device forensic tool provides the user with the ability to Select Individual device data objects for acquisition then the tool shall acquire each exclusive data object without error.</p> <p>MDT-CA-09 If a mobile device forensic tool completes two consecutive logical acquisitions of the target device without error then the payload (data objects) on the mobile device shall remain consistent.</p> |

| | | |
|---|---|---------------|
| Test Case MDT-06 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | |
| Tester Name: | rpa | |
| Test Host: | p644381 | |
| Test Date: | Tue Feb 3 07:31:19 EST 2015 | |
| Device: | iPad GSM | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Tue Feb 3 07:31:19 EST 2015 Acquisition finished: Tue Feb 3 07:37:54 EST 2015 Acquire All acquisition was successful | |
| Results: | | |
| | Assertion & Expected Result | Actual Result |
| | MDT-CA-06 Acquire-all mobile device data objects acquisition. | as expected |
| | MDT-CA-07 Select-all mobile device data objects acquisition. | NA |
| | MDT-CA-08 Select-individual mobile device data objects acquisition. | NA |
| | MDT-CA-09 Perform back-to-back acquisitions, check device payload for modifications. | as expected |
| Analysis: | Expected results achieved | |

79

80 1.2.27 MDT-12 – iPad GSM

| Test Case MDT-12 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|---|---|--|-----------------------------|---------------|--|-------------|
| Case Summary: | MDT-12 After a successful mobile device internal memory, alter the case file via third-party means and attempt to re-open the case. | | | | | |
| Assertions: | MDT-AO-08 If the case file or individual data objects are modified via third-party means then the tool shall provide protection mechanisms disallowing or reporting data modification. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Tue Feb 3 07:31:42 EST 2015 | | | | | |
| Device: | iPad GSM | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Tue Feb 3 07:31:42 EST 2015 Acquisition finished: Tue Feb 3 07:38:05 EST 2015 Notification of modified device memory data was successful | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-AO-08 Notification of modified device case data.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-AO-08 Notification of modified device case data. | as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-AO-08 Notification of modified device case data. | as expected | | | | | |
| Analysis: | Expected results achieved | | | | | |

81

82

83 **1.2.28 MDT-19 – iPad GSM**

| Test Case MDT-19 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|---|--|--|-----------------------------|---------------|---|-------------|
| Case Summary: | MDT-19 Acquire mobile device internal memory and review data containing non-ASCII characters. | | | | | |
| Assertions: | MDT-AO-13 If the mobile device forensic tool supports display of non-ASCII characters then acquired data containing non-ASCII characters should be presented in their native format. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Tue Feb 3 07:32:00 EST 2015 | | | | | |
| Device: | iPad GSM | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Tue Feb 3 07:32:00 EST 2015 Acquisition finished: Tue Feb 3 07:38:12 EST 2015 Non-ASCII Address book entries were acquired and properly displayed Non-ASCII text messages were acquired and properly displayed | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-AO-13 Acquisition of data containing non-ASCII characters presented in their native format.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-AO-13 Acquisition of data containing non-ASCII characters presented in their native format. | as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-AO-13 Acquisition of data containing non-ASCII characters presented in their native format. | as expected | | | | | |
| Analysis: | Expected results achieved | | | | | |

84

85 **1.2.29 MDT-22 – iPad GSM**

| | | | | | | |
|---|--|--|-----------------------------|---------------|---|-------------|
| Test Case MDT-22 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
| Case Summary: | MDT-22 Acquire mobile device internal memory and review hash values for vendor supported data objects. | | | | | |
| Assertions: | MDT-AO-15 If the mobile device forensic tool supports hashing for individual data objects then the tool shall present the user with a hash value for each supported data object. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Tue Feb 3 07:32:24 EST 2015 | | | | | |
| Device: | iPad GSM | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Tue Feb 3 07:32:24 EST 2015 Acquisition finished: Tue Feb 3 07:38:19 EST 2015 Hash values were properly reported for individually acquired device data elements | | | | | |
| Results: | <table><tr><td>Assertion & Expected Result</td><td>Actual Result</td></tr><tr><td>MDT-AO-15 Hash values for individual data and case presented in a useable format.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-AO-15 Hash values for individual data and case presented in a useable format. | as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-AO-15 Hash values for individual data and case presented in a useable format. | as expected | | | | | |
| Analysis: | Expected results achieved | | | | | |

86

87

88 **1.2.30 MDT-24 – iPad GSM**

| Test Case MDT-24 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|--|--|--|-----------------------------|---------------|--|-------------|
| Case Summary: | MDT-24 Acquire mobile device internal memory and review data containing GPS longitude and latitude coordinates | | | | | |
| Assertions: | MDT-AO-16 If the mobile device forensic tool supports acquisition of GPS data then the tool shall present the user with the longitude and latitude coordinates for all GPS-related data in a useable format. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Tue Feb 3 07:33:01 EST 2015 | | | | | |
| Device: | iPad GSM | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Tue Feb 3 07:33:01 EST 2015 Acquisition finished: Tue Feb 3 07:38:26 EST 2015 GPS Coordinate data was successfully acquired | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-AO-16 Acquisition of GPS related data presented in a useable format.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-AO-16 Acquisition of GPS related data presented in a useable format. | as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-AO-16 Acquisition of GPS related data presented in a useable format. | as expected | | | | | |
| Analysis: | Expected results achieved | | | | | |

89

90 **1.2.31 MDT-01 – iPad CDMA**

| Test Case MDT-01 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|---|--|--|-----------------------------|---------------|---|-------------|
| Case Summary: | MDT-01 Acquire mobile device internal memory over tool-supported interfaces (e.g., cable, Bluetooth, IrDA). | | | | | |
| Assertions: | MDT-CA-01 If a mobile device forensic tool provides support for connectivity of the target device then the tool shall successfully recognize the target device via all vendor supported interfaces (e.g., cable, Bluetooth, IrDA). | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Tue Feb 3 06:53:59 EST 2015 | | | | | |
| Device: | iPad CDMA | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Tue Feb 3 06:53:59 EST 2015 Acquisition finished: Tue Feb 3 07:01:24 EST 2015 Device connectivity was established via supported interface | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-CA-01 Device connectivity via supported interfaces.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-CA-01 Device connectivity via supported interfaces. | as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-CA-01 Device connectivity via supported interfaces. | as expected | | | | | |
| Analysis: | Expected results achieved | | | | | |

91

92

93 1.2.32 MDT-02 – iPad CDMA

| Test Case MDT-02 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|---|--|--|-----------------------------|---------------|--|-------------|
| Case Summary: | MDT-02 Begin mobile device internal memory acquisition and interrupt connectivity by interface disengagement. | | | | | |
| Assertions: | MDT-CA-02 If connectivity between the mobile device and mobile device forensic tool is disrupted then the tool shall notify the user that connectivity has been disrupted. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Tue Feb 3 06:54:17 EST 2015 | | | | | |
| Device: | iPad CDMA | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Tue Feb 3 06:54:17 EST 2015 Acquisition finished: Tue Feb 3 07:01:31 EST 2015 Device acquisition disruption notification was successful | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-CA-02 Notification of device acquisition disruption.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-CA-02 Notification of device acquisition disruption. | as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-CA-02 Notification of device acquisition disruption. | as expected | | | | | |
| Analysis: | Expected results achieved | | | | | |

94

95 1.2.33 MDT-03 – iPad CDMA

| Test Case MDT-03 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|--|--|--|-----------------------------|---------------|--|-------------|
| Case Summary: | MDT-03 Acquire mobile device internal memory and review reported data via the preview-pane or generated reports for readability. | | | | | |
| Assertions: | MDT-CA-03 If a mobile device forensic tool completes acquisition of the target device without error then the tool shall have the ability to present acquired data objects in a useable format via either a preview-pane or generated report. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Tue Feb 3 06:54:40 EST 2015 | | | | | |
| Device: | iPad_CDMA | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Tue Feb 3 06:54:40 EST 2015 Acquisition finished: Tue Feb 3 07:01:43 EST 2015 Readability and completeness of acquired data was successful | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-CA-03 Readability and completeness of acquired data via supported reports.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-CA-03 Readability and completeness of acquired data via supported reports. | as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-CA-03 Readability and completeness of acquired data via supported reports. | as expected | | | | | |
| Analysis: | Expected results achieved | | | | | |

96

97

98 **1.2.34 MDT-04 – iPad CDMA**

| Test Case MDT-04 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|---|---|--|-----------------------------|---------------|---|-------------|
| Case Summary: | MDT-04 Acquire mobile device internal memory and review reported subscriber and equipment related information (e.g., IMSI, IMEI, MEID/ESN, MSISDN). | | | | | |
| Assertions: | MDT-CA-04 If a mobile device forensic tool completes acquisition of the target device without error then subscriber and equipment related information shall be presented in a useable format. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Tue Feb 3 06:55:14 EST 2015 | | | | | |
| Device: | iPad CDMA | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Tue Feb 3 06:55:14 EST 2015 Acquisition finished: Tue Feb 3 07:01:50 EST 2015 IMEI, MEID/ESN were acquired | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-CA-04 Acquisition of mobile device subscriber and equipment related data in a useable format.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-CA-04 Acquisition of mobile device subscriber and equipment related data in a useable format. | as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-CA-04 Acquisition of mobile device subscriber and equipment related data in a useable format. | as expected | | | | | |
| Analysis: | Expected results achieved | | | | | |

99

100 **1.2.35 MDT-05 – iPad CDMA**

| Test Case MDT-05 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | |
|--|--|--|
| Case Summary: | MDT-05 Acquire mobile device internal memory and review supported data elements (i.e., PIM data, call logs, SMS, MMS, stand-alone files: audio, pictures, video, application related data: documents, spreadsheets, presentations, social-media data and Internet related data: bookmarks, visited sites). | |
| Assertions: | MDT-CA-05 If a mobile device forensic tool completes acquisition of the target device without error then all supported data elements shall be presented in a useable format. | |
| Tester Name: | rpa | |
| Test Host: | p644381 | |
| Test Date: | Tue Feb 3 06:55:36 EST 2015 | |
| Device: | iPad CDMA | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Tue Feb 3 06:55:36 EST 2015 Acquisition finished: Tue Feb 3 07:01:57 EST 2015 All address book entries were successfully acquired ALL PIM related data was acquired ALL text messages (SMS, EMS) were acquired Correct date/time stamps were reported for all text messages Correct status flags were reported for all text messages Sender and Recipient phone numbers associated with text messages were correctly reported ALL MMS messages (Audio, Image, Video) were acquired ALL stand-alone data files (Audio, Image, Video) were acquired All application data was acquired All Internet related data was acquired Partial Social media related data was acquired | |
| | Notes: | |

| Test Case MDT-05 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | |
|---|---|---------------|
| | Only two of three social network applications were listed. Linkedin was not listed in social networks. | |
| Results: | | |
| | Assertion & Expected Result | Actual Result |
| | MDT-CA-05 Acquisition of all mobile device supported data elements in a useable format. | Partial |
| Analysis: | Partial results achieved | |

101

102

1.2.36 MDT-06 – iPad CDMA

| Test Case MDT-06 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | | | | | | | |
|--|---|--|-----------------------------|---------------|---|-------------|--|----|---|----|--|-------------|
| Case Summary: | MDT-06 Acquire mobile device internal memory by selecting a combination of supported data elements. | | | | | | | | | | | |
| Assertions: | MDT-CA-06 If a mobile device forensic tool provides the user with an Acquire All device data objects acquisition option then the tool shall complete the acquisition of all data objects without error. MDT-CA-07 If a mobile device forensic tool provides the user with an Select All individual device data objects then the tool shall complete the acquisition of all individually selected data objects without error. MDT-CA-08 If a mobile device forensic tool provides the user with the ability to Select Individual device data objects for acquisition then the tool shall acquire each exclusive data object without error. MDT-CA-09 If a mobile device forensic tool completes two consecutive logical acquisitions of the target device without error then the payload (data objects) on the mobile device shall remain consistent. | | | | | | | | | | | |
| Tester Name: | rpa | | | | | | | | | | | |
| Test Host: | p644381 | | | | | | | | | | | |
| Test Date: | Tue Feb 3 06:55:56 EST 2015 | | | | | | | | | | | |
| Device: | iPad CDMA | | | | | | | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | | | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Tue Feb 3 06:55:56 EST 2015 Acquisition finished: Tue Feb 3 07:02:04 EST 2015 Acquire All acquisition was successful | | | | | | | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-CA-06 Acquire-all mobile device data objects acquisition.</td><td>as expected</td></tr><tr><td>MDT-CA-07 Select-all mobile device data objects acquisition.</td><td>NA</td></tr><tr><td>MDT-CA-08 Select-individual mobile device data objects acquisition.</td><td>NA</td></tr><tr><td>MDT-CA-09 Perform back-to-back acquisitions, check device payload for modifications.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-CA-06 Acquire-all mobile device data objects acquisition. | as expected | MDT-CA-07 Select-all mobile device data objects acquisition. | NA | MDT-CA-08 Select-individual mobile device data objects acquisition. | NA | MDT-CA-09 Perform back-to-back acquisitions, check device payload for modifications. | as expected |
| Assertion & Expected Result | Actual Result | | | | | | | | | | | |
| MDT-CA-06 Acquire-all mobile device data objects acquisition. | as expected | | | | | | | | | | | |
| MDT-CA-07 Select-all mobile device data objects acquisition. | NA | | | | | | | | | | | |
| MDT-CA-08 Select-individual mobile device data objects acquisition. | NA | | | | | | | | | | | |
| MDT-CA-09 Perform back-to-back acquisitions, check device payload for modifications. | as expected | | | | | | | | | | | |
| Analysis: | Expected results achieved | | | | | | | | | | | |

103

104

105 1.2.37 MDT-12 – iPad CDMA

| Test Case MDT-12 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|---|---|--|-----------------------------|---------------|--|-------------|
| Case Summary: | MDT-12 After a successful mobile device internal memory, alter the case file via third-party means and attempt to re-open the case. | | | | | |
| Assertions: | MDT-AO-08 If the case file or individual data objects are modified via third-party means then the tool shall provide protection mechanisms disallowing or reporting data modification. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Tue Feb 3 06:56:18 EST 2015 | | | | | |
| Device: | iPad CDMA | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Tue Feb 3 06:56:18 EST 2015 Acquisition finished: Tue Feb 3 07:02:10 EST 2015 Notification of modified device memory data was successful | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-AO-08 Notification of modified device case data.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-AO-08 Notification of modified device case data. | as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-AO-08 Notification of modified device case data. | as expected | | | | | |
| Analysis: | Expected results achieved | | | | | |

106

107 1.2.38 MDT-19 – iPad CDMA

| Test Case MDT-19 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|---|--|--|-----------------------------|---------------|---|-------------|
| Case Summary: | MDT-19 Acquire mobile device internal memory and review data containing non-ASCII characters. | | | | | |
| Assertions: | MDT-AO-13 If the mobile device forensic tool supports display of non-ASCII characters then acquired data containing non-ASCII characters should be presented in their native format. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Tue Feb 3 06:56:41 EST 2015 | | | | | |
| Device: | iPad CDMA | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Tue Feb 3 06:56:41 EST 2015 Acquisition finished: Tue Feb 3 07:02:18 EST 2015 Non-ASCII Address book entries were acquired and properly displayed Non-ASCII text messages were acquired and properly displayed | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-AO-13 Acquisition of data containing non-ASCII characters presented in their native format.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-AO-13 Acquisition of data containing non-ASCII characters presented in their native format. | as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-AO-13 Acquisition of data containing non-ASCII characters presented in their native format. | as expected | | | | | |
| Analysis: | Expected results achieved | | | | | |

108

109

110 1.2.39 MDT-22 – iPad CDMA

| Test Case MDT-22 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|---|--|--|-----------------------------|---------------|---|-------------|
| Case Summary: | MDT-22 Acquire mobile device internal memory and review hash values for vendor supported data objects. | | | | | |
| Assertions: | MDT-AO-15 If the mobile device forensic tool supports hashing for individual data objects then the tool shall present the user with a hash value for each supported data object. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Tue Feb 3 06:57:02 EST 2015 | | | | | |
| Device: | iPad CDMA | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Tue Feb 3 06:57:02 EST 2015 Acquisition finished: Tue Feb 3 07:02:25 EST 2015 Hash values were properly reported for individually acquired device data elements | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-AO-15 Hash values for individual data and case presented in a useable format.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-AO-15 Hash values for individual data and case presented in a useable format. | as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-AO-15 Hash values for individual data and case presented in a useable format. | as expected | | | | | |
| Analysis: | Expected results achieved | | | | | |

111

112 1.2.40 MDT-24 – iPad CDMA

| Test Case MDT-24 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|--|--|--|-----------------------------|---------------|--|-------------|
| Case Summary: | MDT-24 Acquire mobile device internal memory and review data containing GPS longitude and latitude coordinates | | | | | |
| Assertions: | MDT-AO-16 If the mobile device forensic tool supports acquisition of GPS data then the tool shall present the user with the longitude and latitude coordinates for all GPS-related data in a useable format. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Tue Feb 3 06:57:22 EST 2015 | | | | | |
| Device: | iPad CDMA | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Tue Feb 3 06:57:22 EST 2015 Acquisition finished: Tue Feb 3 07:02:31 EST 2015 GPS Coordinate data was successfully acquired | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-AO-16 Acquisition of GPS related data presented in a useable format.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-AO-16 Acquisition of GPS related data presented in a useable format. | as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-AO-16 Acquisition of GPS related data presented in a useable format. | as expected | | | | | |
| Analysis: | Expected results achieved | | | | | |

113

114

115 **1.2.41 MDT-01 – iPadMini GSM**

| Test Case MDT-01 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|---|--|--|-----------------------------|---------------|---|-------------|
| Case Summary: | MDT-01 Acquire mobile device internal memory over tool-supported interfaces (e.g., cable, Bluetooth, IrDA). | | | | | |
| Assertions: | MDT-CA-01 If a mobile device forensic tool provides support for connectivity of the target device then the tool shall successfully recognize the target device via all vendor supported interfaces (e.g., cable, Bluetooth, IrDA). | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Tue Feb 3 07:07:26 EST 2015 | | | | | |
| Device: | iPadMini GSM | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Tue Feb 3 07:07:26 EST 2015 Acquisition finished: Tue Feb 3 07:16:47 EST 2015 Device connectivity was established via supported interface | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-CA-01 Device connectivity via supported interfaces.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-CA-01 Device connectivity via supported interfaces. | as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-CA-01 Device connectivity via supported interfaces. | as expected | | | | | |
| Analysis: | Expected results achieved | | | | | |

116

117 **1.2.42 MDT-02 – iPadMini GSM**

| Test Case MDT-02 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|---|--|--|-----------------------------|---------------|--|-------------|
| Case Summary: | MDT-02 Begin mobile device internal memory acquisition and interrupt connectivity by interface disengagement. | | | | | |
| Assertions: | MDT-CA-02 If connectivity between the mobile device and mobile device forensic tool is disrupted then the tool shall notify the user that connectivity has been disrupted. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Tue Feb 3 07:07:45 EST 2015 | | | | | |
| Device: | iPadMini GSM | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Tue Feb 3 07:07:45 EST 2015 Acquisition finished: Tue Feb 3 07:16:54 EST 2015 Device acquisition disruption notification was successful | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-CA-02 Notification of device acquisition disruption.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-CA-02 Notification of device acquisition disruption. | as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-CA-02 Notification of device acquisition disruption. | as expected | | | | | |
| Analysis: | Expected results achieved | | | | | |

118

119

120 **1.2.43 MDT-03 – iPadMini GSM**

| Test Case MDT-03 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|--|--|--|-----------------------------|---------------|--|-------------|
| Case Summary: | MDT-03 Acquire mobile device internal memory and review reported data via the preview-pane or generated reports for readability. | | | | | |
| Assertions: | MDT-CA-03 If a mobile device forensic tool completes acquisition of the target device without error then the tool shall have the ability to present acquired data objects in a useable format via either a preview-pane or generated report. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Tue Feb 3 07:08:09 EST 2015 | | | | | |
| Device: | iPadMini_GSM | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Tue Feb 3 07:08:09 EST 2015 Acquisition finished: Tue Feb 3 07:17:02 EST 2015 Readability and completeness of acquired data was successful | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-CA-03 Readability and completeness of acquired data via supported reports.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-CA-03 Readability and completeness of acquired data via supported reports. | as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-CA-03 Readability and completeness of acquired data via supported reports. | as expected | | | | | |
| Analysis: | Expected results achieved | | | | | |

121

122 **1.2.44 MDT-04 – iPadMini GSM**

| Test Case MDT-04 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|---|---|--|-----------------------------|---------------|---|-------------|
| Case Summary: | MDT-04 Acquire mobile device internal memory and review reported subscriber and equipment related information (e.g., IMSI, IMEI, MEID/ESN, MSISDN). | | | | | |
| Assertions: | MDT-CA-04 If a mobile device forensic tool completes acquisition of the target device without error then subscriber and equipment related information shall be presented in a useable format. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Tue Feb 3 07:08:34 EST 2015 | | | | | |
| Device: | iPadMini GSM | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Tue Feb 3 07:08:34 EST 2015 Acquisition finished: Tue Feb 3 07:17:10 EST 2015 Subscriber and Equipment related data (i.e., MSISDN, IMEI) were acquired | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-CA-04 Acquisition of mobile device subscriber and equipment related data in a useable format.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-CA-04 Acquisition of mobile device subscriber and equipment related data in a useable format. | as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-CA-04 Acquisition of mobile device subscriber and equipment related data in a useable format. | as expected | | | | | |
| Analysis: | Expected results achieved | | | | | |

123

124

1.2.45 MDT-05 – iPadMini GSM

| | | | | | | |
|---|--|--|-----------------------------|---------------|---|---------|
| Test Case MDT-05 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
| Case Summary: | MDT-05 Acquire mobile device internal memory and review supported data elements (i.e., PIM data, call logs, SMS, MMS, stand-alone files: audio, pictures, video, application related data: documents, spreadsheets, presentations, social-media data and Internet related data: bookmarks, visited sites). | | | | | |
| Assertions: | MDT-CA-05 If a mobile device forensic tool completes acquisition of the target device without error then all supported data elements shall be presented in a useable format. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Tue Feb 3 07:08:53 EST 2015 | | | | | |
| Device: | iPadMini GSM | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | <p>Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Tue Feb 3 07:08:53 EST 2015 Acquisition finished: Tue Feb 3 07:17:18 EST 2015</p> <p>All address book entries were successfully acquired ALL PIM related data was acquired ALL text messages (SMS, EMS) were acquired Correct date/time stamps were reported for all text messages Correct status flags were reported for all text messages Sender and Recipient phone numbers associated with text messages were correctly reported ALL MMS messages (Audio, Image, Video) were acquired ALL stand-alone data files (Audio, Image, Video) were acquired All application data was acquired All Internet related data was acquired Partial Social media related data was acquired</p> <p>Notes: Only two of three social network applications were listed.</p> <p>Linkedin was not listed in social networks.</p> | | | | | |
| Results: | <table><tr><td>Assertion & Expected Result</td><td>Actual Result</td></tr><tr><td>MDT-CA-05 Acquisition of all mobile device supported data elements in a useable format.</td><td>Partial</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-CA-05 Acquisition of all mobile device supported data elements in a useable format. | Partial |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-CA-05 Acquisition of all mobile device supported data elements in a useable format. | Partial | | | | | |
| Analysis: | Partial results achieved | | | | | |

128 **1.2.46 MDT-06 – iPadMini GSM**

| Test Case MDT-06 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | | | | | | |
|--|---|-----------------------------|---------------|---|-------------|--|----|---|----|--|-------------|
| Case Summary: | MDT-06 Acquire mobile device internal memory by selecting a combination of supported data elements. | | | | | | | | | | |
| Assertions: | MDT-CA-06 If a mobile device forensic tool provides the user with an Acquire All device data objects acquisition option then the tool shall complete the acquisition of all data objects without error. MDT-CA-07 If a mobile device forensic tool provides the user with an Select All individual device data objects then the tool shall complete the acquisition of all individually selected data objects without error. MDT-CA-08 If a mobile device forensic tool provides the user with the ability to Select Individual device data objects for acquisition then the tool shall acquire each exclusive data object without error. MDT-CA-09 If a mobile device forensic tool completes two consecutive logical acquisitions of the target device without error then the payload (data objects) on the mobile device shall remain consistent. | | | | | | | | | | |
| Tester Name: | rpa | | | | | | | | | | |
| Test Host: | p644381 | | | | | | | | | | |
| Test Date: | Tue Feb 3 07:09:16 EST 2015 | | | | | | | | | | |
| Device: | iPadMini GSM | | | | | | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Tue Feb 3 07:09:16 EST 2015 Acquisition finished: Tue Feb 3 07:17:29 EST 2015 Acquire All acquisition was successful | | | | | | | | | | |
| Results: | <table border="1"> <thead> <tr> <th>Assertion & Expected Result</th><th>Actual Result</th></tr> </thead> <tbody> <tr> <td>MDT-CA-06 Acquire-all mobile device data objects acquisition.</td><td>as expected</td></tr> <tr> <td>MDT-CA-07 Select-all mobile device data objects acquisition.</td><td>NA</td></tr> <tr> <td>MDT-CA-08 Select-individual mobile device data objects acquisition.</td><td>NA</td></tr> <tr> <td>MDT-CA-09 Perform back-to-back acquisitions, check device payload for modifications.</td><td>as expected</td></tr> </tbody> </table> | Assertion & Expected Result | Actual Result | MDT-CA-06 Acquire-all mobile device data objects acquisition. | as expected | MDT-CA-07 Select-all mobile device data objects acquisition. | NA | MDT-CA-08 Select-individual mobile device data objects acquisition. | NA | MDT-CA-09 Perform back-to-back acquisitions, check device payload for modifications. | as expected |
| Assertion & Expected Result | Actual Result | | | | | | | | | | |
| MDT-CA-06 Acquire-all mobile device data objects acquisition. | as expected | | | | | | | | | | |
| MDT-CA-07 Select-all mobile device data objects acquisition. | NA | | | | | | | | | | |
| MDT-CA-08 Select-individual mobile device data objects acquisition. | NA | | | | | | | | | | |
| MDT-CA-09 Perform back-to-back acquisitions, check device payload for modifications. | as expected | | | | | | | | | | |
| Analysis: | Expected results achieved | | | | | | | | | | |

129
130

131 **1.2.47 MDT-12 – iPadMini GSM**

| | | | | | | |
|---|---|--|-----------------------------|---------------|--|-------------|
| Test Case MDT-12 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
| Case Summary: | MDT-12 After a successful mobile device internal memory, alter the case file via third-party means and attempt to re-open the case. | | | | | |
| Assertions: | MDT-AO-08 If the case file or individual data objects are modified via third-party means then the tool shall provide protection mechanisms disallowing or reporting data modification. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Tue Feb 3 07:09:39 EST 2015 | | | | | |
| Device: | iPadMiniGSM | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Tue Feb 3 07:09:39 EST 2015 Acquisition finished: Tue Feb 3 07:17:37 EST 2015 Notification of modified device memory data was successful | | | | | |
| Results: | <table><tr><td>Assertion & Expected Result</td><td>Actual Result</td></tr><tr><td>MDT-AO-08 Notification of modified device case data.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-AO-08 Notification of modified device case data. | as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-AO-08 Notification of modified device case data. | as expected | | | | | |
| Analysis: | Expected results achieved | | | | | |

132

133 **1.2.48 MDT-19 – iPadMini GSM**

| Test Case MDT-19 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|---|--|--|-----------------------------|---------------|---|-------------|
| Case Summary: | MDT-19 Acquire mobile device internal memory and review data containing non-ASCII characters. | | | | | |
| Assertions: | MDT-AO-13 If the mobile device forensic tool supports display of non-ASCII characters then acquired data containing non-ASCII characters should be presented in their native format. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Tue Feb 3 07:10:18 EST 2015 | | | | | |
| Device: | iPadMini_GSM | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Tue Feb 3 07:10:18 EST 2015 Acquisition finished: Tue Feb 3 07:17:45 EST 2015 Non-ASCII Address book entries were acquired and properly displayed Non-ASCII text messages were acquired and properly displayed | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-AO-13 Acquisition of data containing non-ASCII characters presented in their native format.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-AO-13 Acquisition of data containing non-ASCII characters presented in their native format. | as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-AO-13 Acquisition of data containing non-ASCII characters presented in their native format. | as expected | | | | | |
| Analysis: | Expected results achieved | | | | | |

134

135

136 **1.2.49 MDT-22 – iPadMini GSM**

| Test Case MDT-22 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|---|--|--|-----------------------------|---------------|---|-------------|
| Case Summary: | MDT-22 Acquire mobile device internal memory and review hash values for vendor supported data objects. | | | | | |
| Assertions: | MDT-AO-15 If the mobile device forensic tool supports hashing for individual data objects then the tool shall present the user with a hash value for each supported data object. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Tue Feb 3 07:10:40 EST 2015 | | | | | |
| Device: | iPadMini GSM | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Tue Feb 3 07:10:40 EST 2015 Acquisition finished: Tue Feb 3 07:17:56 EST 2015 Hash values were properly reported for individually acquired device data elements | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-AO-15 Hash values for individual data and case presented in a useable format.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-AO-15 Hash values for individual data and case presented in a useable format. | as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-AO-15 Hash values for individual data and case presented in a useable format. | as expected | | | | | |
| Analysis: | Expected results achieved | | | | | |

137

138 **1.2.50 MDT-24 – iPadMini GSM**

| Test Case MDT-24 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|--|--|--|-----------------------------|---------------|--|-------------|
| Case Summary: | MDT-24 Acquire mobile device internal memory and review data containing GPS longitude and latitude coordinates | | | | | |
| Assertions: | MDT-AO-16 If the mobile device forensic tool supports acquisition of GPS data then the tool shall present the user with the longitude and latitude coordinates for all GPS-related data in a useable format. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Tue Feb 3 07:10:59 EST 2015 | | | | | |
| Device: | iPadMini GSM | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Tue Feb 3 07:10:59 EST 2015 Acquisition finished: Tue Feb 3 07:18:02 EST 2015 GPS Coordinate data was successfully acquired | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-AO-16 Acquisition of GPS related data presented in a useable format.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-AO-16 Acquisition of GPS related data presented in a useable format. | as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-AO-16 Acquisition of GPS related data presented in a useable format. | as expected | | | | | |
| Analysis: | Expected results achieved | | | | | |

139

140

141 1.2.51 MDT-01 – iPadMini CDMA

| Test Case MDT-01 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|---|--|--|-----------------------------|---------------|---|-------------|
| Case Summary: | MDT-01 Acquire mobile device internal memory over tool-supported interfaces (e.g., cable, Bluetooth, IrDA). | | | | | |
| Assertions: | MDT-CA-01 If a mobile device forensic tool provides support for connectivity of the target device then the tool shall successfully recognize the target device via all vendor supported interfaces (e.g., cable, Bluetooth, IrDA). | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Tue Feb 3 07:12:24 EST 2015 | | | | | |
| Device: | iPadMini CDMA | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | <p>Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Tue Feb 3 07:12:24 EST 2015 Acquisition finished: Tue Feb 3 07:18:12 EST 2015</p> <p>Device connectivity was established via supported interface</p> <p>Notes: The following message occurred for an unlocked device when not using iTunes version 11.1: Unlock the device to extract the data. Option 1 - Enter passcode on the device Option 2 - Find lock down plst on PC to unlock the device.</p> | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-CA-01 Device connectivity via supported interfaces.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-CA-01 Device connectivity via supported interfaces. | as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-CA-01 Device connectivity via supported interfaces. | as expected | | | | | |
| Analysis: | Expected results achieved | | | | | |

142

143 1.2.52 MDT-02 – iPadMini CDMA

| Test Case MDT-02 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|---|--|--|-----------------------------|---------------|--|-------------|
| Case Summary: | MDT-02 Begin mobile device internal memory acquisition and interrupt connectivity by interface disengagement. | | | | | |
| Assertions: | MDT-CA-02 If connectivity between the mobile device and mobile device forensic tool is disrupted then the tool shall notify the user that connectivity has been disrupted. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Tue Feb 3 07:13:11 EST 2015 | | | | | |
| Device: | iPadMini CDMA | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Tue Feb 3 07:13:11 EST 2015 Acquisition finished: Tue Feb 3 07:18:19 EST 2015 Device acquisition disruption notification was successful | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-CA-02 Notification of device acquisition disruption.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-CA-02 Notification of device acquisition disruption. | as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-CA-02 Notification of device acquisition disruption. | as expected | | | | | |
| Analysis: | Expected results achieved | | | | | |

144

145

146 **1.2.53 MDT-03 – iPadMini CDMA**

| Test Case MDT-03 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|--|--|--|-----------------------------|---------------|--|-------------|
| Case Summary: | MDT-03 Acquire mobile device internal memory and review reported data via the preview-pane or generated reports for readability. | | | | | |
| Assertions: | MDT-CA-03 If a mobile device forensic tool completes acquisition of the target device without error then the tool shall have the ability to present acquired data objects in a useable format via either a preview-pane or generated report. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Tue Feb 3 07:13:35 EST 2015 | | | | | |
| Device: | iPadMini_CDMA | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Tue Feb 3 07:13:35 EST 2015 Acquisition finished: Tue Feb 3 07:18:25 EST 2015 Readability and completeness of acquired data was successful | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-CA-03 Readability and completeness of acquired data via supported reports.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-CA-03 Readability and completeness of acquired data via supported reports. | as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-CA-03 Readability and completeness of acquired data via supported reports. | as expected | | | | | |
| Analysis: | Expected results achieved | | | | | |

147

148 **1.2.54 MDT-04 – iPadMini CDMA**

| | | | | | | |
|---|---|--|-----------------------------|---------------|---|-------------|
| Test Case MDT-04 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
| Case Summary: | MDT-04 Acquire mobile device internal memory and review reported subscriber and equipment related information (e.g., IMSI, IMEI, MEID/ESN, MSISDN). | | | | | |
| Assertions: | MDT-CA-04 If a mobile device forensic tool completes acquisition of the target device without error then subscriber and equipment related information shall be presented in a useable format. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Tue Feb 3 07:14:10 EST 2015 | | | | | |
| Device: | iPadMini CDMA | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Tue Feb 3 07:14:10 EST 2015 Acquisition finished: Tue Feb 3 07:18:32 EST 2015 IMEI, MEID/ESN were acquired | | | | | |
| Results: | <table><tr><td>Assertion & Expected Result</td><td>Actual Result</td></tr><tr><td>MDT-CA-04 Acquisition of mobile device subscriber and equipment related data in a useable format.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-CA-04 Acquisition of mobile device subscriber and equipment related data in a useable format. | as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-CA-04 Acquisition of mobile device subscriber and equipment related data in a useable format. | as expected | | | | | |
| Analysis: | Expected results achieved | | | | | |

149

150

151 **1.2.55 MDT-05 – iPadMini CDMA**

| | | | | | | |
|---|--|--|-----------------------------|---------------|---|---------|
| Test Case MDT-05 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
| Case Summary: | MDT-05 Acquire mobile device internal memory and review supported data elements (i.e., PIM data, call logs, SMS, MMS, stand-alone files: audio, pictures, video, application related data: documents, spreadsheets, presentations, social-media data and Internet related data: bookmarks, visited sites). | | | | | |
| Assertions: | MDT-CA-05 If a mobile device forensic tool completes acquisition of the target device without error then all supported data elements shall be presented in a useable format. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Tue Feb 3 07:14:33 EST 2015 | | | | | |
| Device: | iPadMini CDMA | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | <p>Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Tue Feb 3 07:14:33 EST 2015 Acquisition finished: Tue Feb 3 07:18:39 EST 2015</p> <p>All address book entries were successfully acquired ALL PIM related data was acquired ALL text messages (SMS, EMS) were acquired Correct date/time stamps were reported for all text messages Correct status flags were reported for all text messages Sender and Recipient phone numbers associated with text messages were correctly reported ALL MMS messages (Audio, Image, Video) were acquired ALL stand-alone data files (Audio, Image, Video) were acquired All application data was acquired All Internet related data was acquired Partial Social media related data was acquired</p> <p>Notes: Only two of three social network applications were listed.</p> <p>Linkedin was not listed in social networks.</p> | | | | | |
| Results: | <table><tr><td>Assertion & Expected Result</td><td>Actual Result</td></tr><tr><td>MDT-CA-05 Acquisition of all mobile device supported data elements in a useable format.</td><td>Partial</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-CA-05 Acquisition of all mobile device supported data elements in a useable format. | Partial |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-CA-05 Acquisition of all mobile device supported data elements in a useable format. | Partial | | | | | |
| Analysis: | Partial results achieved | | | | | |

152
153

154 **1.2.56 MDT-06 – iPadMini CDMA**

| Test Case MDT-06 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | | | | | | |
|--|---|-----------------------------|---------------|---|-------------|--|----|---|----|--|-------------|
| Case Summary: | MDT-06 Acquire mobile device internal memory by selecting a combination of supported data elements. | | | | | | | | | | |
| Assertions: | MDT-CA-06 If a mobile device forensic tool provides the user with an Acquire All device data objects acquisition option then the tool shall complete the acquisition of all data objects without error. MDT-CA-07 If a mobile device forensic tool provides the user with an Select All individual device data objects then the tool shall complete the acquisition of all individually selected data objects without error. MDT-CA-08 If a mobile device forensic tool provides the user with the ability to Select Individual device data objects for acquisition then the tool shall acquire each exclusive data object without error. MDT-CA-09 If a mobile device forensic tool completes two consecutive logical acquisitions of the target device without error then the payload (data objects) on the mobile device shall remain consistent. | | | | | | | | | | |
| Tester Name: | rpa | | | | | | | | | | |
| Test Host: | p644381 | | | | | | | | | | |
| Test Date: | Tue Feb 3 07:14:58 EST 2015 | | | | | | | | | | |
| Device: | iPadMini CDMA | | | | | | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Tue Feb 3 07:14:58 EST 2015 Acquisition finished: Tue Feb 3 07:18:46 EST 2015 Acquire All acquisition was successful | | | | | | | | | | |
| Results: | <table border="1"> <thead> <tr> <th>Assertion & Expected Result</th><th>Actual Result</th></tr> </thead> <tbody> <tr> <td>MDT-CA-06 Acquire-all mobile device data objects acquisition.</td><td>as expected</td></tr> <tr> <td>MDT-CA-07 Select-all mobile device data objects acquisition.</td><td>NA</td></tr> <tr> <td>MDT-CA-08 Select-individual mobile device data objects acquisition.</td><td>NA</td></tr> <tr> <td>MDT-CA-09 Perform back-to-back acquisitions, check device payload for modifications.</td><td>as expected</td></tr> </tbody> </table> | Assertion & Expected Result | Actual Result | MDT-CA-06 Acquire-all mobile device data objects acquisition. | as expected | MDT-CA-07 Select-all mobile device data objects acquisition. | NA | MDT-CA-08 Select-individual mobile device data objects acquisition. | NA | MDT-CA-09 Perform back-to-back acquisitions, check device payload for modifications. | as expected |
| Assertion & Expected Result | Actual Result | | | | | | | | | | |
| MDT-CA-06 Acquire-all mobile device data objects acquisition. | as expected | | | | | | | | | | |
| MDT-CA-07 Select-all mobile device data objects acquisition. | NA | | | | | | | | | | |
| MDT-CA-08 Select-individual mobile device data objects acquisition. | NA | | | | | | | | | | |
| MDT-CA-09 Perform back-to-back acquisitions, check device payload for modifications. | as expected | | | | | | | | | | |
| Analysis: | Expected results achieved | | | | | | | | | | |

155

156

157 1.2.57 MDT-12 – iPadMini CDMA

| Test Case MDT-12 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|---|---|--|-----------------------------|---------------|--|-------------|
| Case Summary: | MDT-12 After a successful mobile device internal memory, alter the case file via third-party means and attempt to re-open the case. | | | | | |
| Assertions: | MDT-AO-08 If the case file or individual data objects are modified via third-party means then the tool shall provide protection mechanisms disallowing or reporting data modification. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Tue Feb 3 07:15:19 EST 2015 | | | | | |
| Device: | iPadMini_CDMA | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Tue Feb 3 07:15:19 EST 2015 Acquisition finished: Tue Feb 3 07:18:53 EST 2015 Notification of modified device memory data was successful | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-AO-08 Notification of modified device case data.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-AO-08 Notification of modified device case data. | as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-AO-08 Notification of modified device case data. | as expected | | | | | |
| Analysis: | Expected results achieved | | | | | |

158

159 1.2.58 MDT-19 – iPadMini CDMA

| Test Case MDT-19 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|---|--|--|-----------------------------|---------------|---|-------------|
| Case Summary: | MDT-19 Acquire mobile device internal memory and review data containing non-ASCII characters. | | | | | |
| Assertions: | MDT-AO-13 If the mobile device forensic tool supports display of non-ASCII characters then acquired data containing non-ASCII characters should be presented in their native format. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Tue Feb 3 07:15:39 EST 2015 | | | | | |
| Device: | iPadMini CDMA | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Tue Feb 3 07:15:39 EST 2015 Acquisition finished: Tue Feb 3 07:19:05 EST 2015 Non-ASCII Address book entries were acquired and properly displayed Non-ASCII text messages were acquired and properly displayed | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-AO-13 Acquisition of data containing non-ASCII characters presented in their native format.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-AO-13 Acquisition of data containing non-ASCII characters presented in their native format. | as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-AO-13 Acquisition of data containing non-ASCII characters presented in their native format. | as expected | | | | | |
| Analysis: | Expected results achieved | | | | | |

160

161

162 1.2.59 MDT-22 – iPadMini CDMA

| Test Case MDT-22 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | |
|---|---|-----------------------------|---------------|---|-------------|
| Case Summary: | MDT-22 Acquire mobile device internal memory and review hash values for vendor supported data objects. | | | | |
| Assertions: | MDT-AO-15 If the mobile device forensic tool supports hashing for individual data objects then the tool shall present the user with a hash value for each supported data object. | | | | |
| Tester Name: | rpa | | | | |
| Test Host: | p644381 | | | | |
| Test Date: | Tue Feb 3 07:16:07 EST 2015 | | | | |
| Device: | iPadMini CDMA | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Tue Feb 3 07:16:07 EST 2015 Acquisition finished: Tue Feb 3 07:19:13 EST 2015 Hash values were properly reported for individually acquired device data elements | | | | |
| Results: | <table border="1"> <thead> <tr> <th>Assertion & Expected Result</th><th>Actual Result</th></tr> </thead> <tbody> <tr> <td>MDT-AO-15 Hash values for individual data and case presented in a useable format.</td><td>as expected</td></tr> </tbody> </table> | Assertion & Expected Result | Actual Result | MDT-AO-15 Hash values for individual data and case presented in a useable format. | as expected |
| Assertion & Expected Result | Actual Result | | | | |
| MDT-AO-15 Hash values for individual data and case presented in a useable format. | as expected | | | | |
| Analysis: | Expected results achieved | | | | |

163

164 1.2.60 MDT-24 – iPadMini CDMA

| Test Case MDT-24 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | |
|--|--|-----------------------------|---------------|--|-------------|
| Case Summary: | MDT-24 Acquire mobile device internal memory and review data containing GPS longitude and latitude coordinates | | | | |
| Assertions: | MDT-AO-16 If the mobile device forensic tool supports acquisition of GPS data then the tool shall present the user with the longitude and latitude coordinates for all GPS-related data in a useable format. | | | | |
| Tester Name: | rpa | | | | |
| Test Host: | p644381 | | | | |
| Test Date: | Tue Feb 3 07:16:34 EST 2015 | | | | |
| Device: | iPadMini CDMA | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Tue Feb 3 07:16:34 EST 2015 Acquisition finished: Tue Feb 3 07:19:23 EST 2015 GPS Coordinate data was successfully acquired | | | | |
| Results: | <table border="1"> <thead> <tr> <th>Assertion & Expected Result</th><th>Actual Result</th></tr> </thead> <tbody> <tr> <td>MDT-AO-16 Acquisition of GPS related data presented in a useable format.</td><td>as expected</td></tr> </tbody> </table> | Assertion & Expected Result | Actual Result | MDT-AO-16 Acquisition of GPS related data presented in a useable format. | as expected |
| Assertion & Expected Result | Actual Result | | | | |
| MDT-AO-16 Acquisition of GPS related data presented in a useable format. | as expected | | | | |
| Analysis: | Expected results achieved | | | | |

165

166

167 **1.2.61 MDT-01 – Galaxy S3**

| Test Case MDT-01 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|---|--|--|-----------------------------|---------------|---|-------------|
| Case Summary: | MDT-01 Acquire mobile device internal memory over tool-supported interfaces (e.g., cable, Bluetooth, IrDA). | | | | | |
| Assertions: | MDT-CA-01 If a mobile device forensic tool provides support for connectivity of the target device then the tool shall successfully recognize the target device via all vendor supported interfaces (e.g., cable, Bluetooth, IrDA). | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Thu Feb 5 06:41:32 EST 2015 | | | | | |
| Device: | GalaxyS3 | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Thu Feb 5 06:41:32 EST 2015 Acquisition finished: Thu Feb 5 06:58:59 EST 2015 Device connectivity was established via supported interface | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-CA-01 Device connectivity via supported interfaces.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-CA-01 Device connectivity via supported interfaces. | as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-CA-01 Device connectivity via supported interfaces. | as expected | | | | | |
| Analysis: | Expected results achieved | | | | | |

168

169 **1.2.62 MDT-02 – Galaxy S3**

| Test Case MDT-02 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|---|--|--|-----------------------------|---------------|--|-------------|
| Case Summary: | MDT-02 Begin mobile device internal memory acquisition and interrupt connectivity by interface disengagement. | | | | | |
| Assertions: | MDT-CA-02 If connectivity between the mobile device and mobile device forensic tool is disrupted then the tool shall notify the user that connectivity has been disrupted. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Thu Feb 5 06:41:52 EST 2015 | | | | | |
| Device: | Galaxys3 | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Thu Feb 5 06:41:52 EST 2015 Acquisition finished: Thu Feb 5 06:59:05 EST 2015 Device acquisition disruption notification was successful | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-CA-02 Notification of device acquisition disruption.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-CA-02 Notification of device acquisition disruption. | as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-CA-02 Notification of device acquisition disruption. | as expected | | | | | |
| Analysis: | Expected results achieved | | | | | |

170

171

172 1.2.63 MDT-03 – Galaxy S3

| Test Case MDT-03 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | |
|---|--|-------------------------------------|
| Case Summary: | MDT-03 Acquire mobile device internal memory and review reported data via the preview-pane or generated reports for readability. | |
| Assertions: | MDT-CA-03 If a mobile device forensic tool completes acquisition of the target device without error then the tool shall have the ability to present acquired data objects in a useable format via either a preview-pane or generated report. | |
| Tester Name: | rpa | |
| Test Host: | p644381 | |
| Test Date: | Thu Feb 5 06:42:15 EST 2015 | |
| Device: | GalaxyS3 | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Thu Feb 5 06:42:15 EST 2015 Acquisition finished: Thu Feb 5 06:59:14 EST 2015 Readability and completeness of acquired data was successful | |
| Results: | Assertion & Expected Result | |
| | MDT-CA-03 Readability and completeness of acquired data via supported reports. | Actual Result as expected |
| Analysis: | Expected results achieved | |

173

174 1.2.64 MDT-04 – Galaxy S3

| Test Case MDT-04 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|---|---|---------------|-----------------------------|---------------|---|-------------|
| Case Summary: | MDT-04 Acquire mobile device internal memory and review reported subscriber and equipment related information (e.g., IMSI, IMEI, MEID/ESN, MSISDN). | | | | | |
| Assertions: | MDT-CA-04 If a mobile device forensic tool completes acquisition of the target device without error then subscriber and equipment related information shall be presented in a useable format. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Thu Feb 5 06:42:38 EST 2015 | | | | | |
| Device: | GalaxyS3 | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Thu Feb 5 06:42:38 EST 2015 Acquisition finished: Thu Feb 5 06:59:20 EST 2015 IMEI was acquired Notes: MSISDN was not reported. | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-CA-04 Acquisition of mobile device subscriber and equipment related data in a useable format.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-CA-04 Acquisition of mobile device subscriber and equipment related data in a useable format. | as expected |
| | Assertion & Expected Result | Actual Result | | | | |
| MDT-CA-04 Acquisition of mobile device subscriber and equipment related data in a useable format. | as expected | | | | | |
| Analysis: | Expected results achieved | | | | | |

175

176

1.2.65 MDT-05 – Galaxy S3

| Test Case MDT-05 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|---|--|--|-----------------------------|---------------|---|---------|
| Case Summary: | MDT-05 Acquire mobile device internal memory and review supported data elements (i.e., PIM data, call logs, SMS, MMS, stand-alone files: audio, pictures, video, application related data: documents, spreadsheets, presentations, social-media data and Internet related data: bookmarks, visited sites). | | | | | |
| Assertions: | MDT-CA-05 If a mobile device forensic tool completes acquisition of the target device without error then all supported data elements shall be presented in a useable format. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Thu Feb 5 06:43:01 EST 2015 | | | | | |
| Device: | GalaxyS3 | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | <p>Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Thu Feb 5 06:43:01 EST 2015 Acquisition finished: Thu Feb 5 06:59:27 EST 2015 Acquisition finished: Thu Feb 5 06:59:39 EST 2015</p> <p>Regular Length Address Book entries were acquired Maximum Length Address Book entries were not acquired Special Character Address Book entries were acquired Blank Name Address Book entries were acquired Email addresses within Address Book entries were acquired Embedded graphics within Address Book entries were acquired Basic PIM related data was acquired Partial Maximum length PIM related data was acquired All Call Logs (incoming, outgoing, missed) were acquired All Call Log date/time stamps data were correctly reported ALL text messages (SMS, EMS) were acquired Correct date/time stamps were reported for all text messages Correct status flags were reported for all text messages Sender and Recipient phone numbers associated with text messages were correctly reported ALL MMS messages (Audio, Image, Video) were acquired ALL stand-alone data files (Audio, Image, Video) were acquired All application data was acquired All Internet related data was acquired Partial Social media related data was acquired</p> <p>Notes: Only the first and last word of Contacts were reported. Notes were not reported under the organizer category. Facebook and Linkedin were not reported under the social networks category. Only twitter was reported. Recoverable deleted text messages were not reported.</p> | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-CA-05 Acquisition of all mobile device supported data elements in a useable format.</td><td>Partial</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-CA-05 Acquisition of all mobile device supported data elements in a useable format. | Partial |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-CA-05 Acquisition of all mobile device supported data elements in a useable format. | Partial | | | | | |
| Analysis: | Partial results achieved | | | | | |

180 **1.2.66 MDT-06 – Galaxy S3**

| Test Case MDT-06 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | | | | | | |
|--|---|-----------------------------|---------------|---|-------------|--|----|---|----|--|-------------|
| Case Summary: | MDT-06 Acquire mobile device internal memory by selecting a combination of supported data elements. | | | | | | | | | | |
| Assertions: | MDT-CA-06 If a mobile device forensic tool provides the user with an Acquire All device data objects acquisition option then the tool shall complete the acquisition of all data objects without error. MDT-CA-07 If a mobile device forensic tool provides the user with an Select All individual device data objects then the tool shall complete the acquisition of all individually selected data objects without error. MDT-CA-08 If a mobile device forensic tool provides the user with the ability to Select Individual device data objects for acquisition then the tool shall acquire each exclusive data object without error. MDT-CA-09 If a mobile device forensic tool completes two consecutive logical acquisitions of the target device without error then the payload (data objects) on the mobile device shall remain consistent. | | | | | | | | | | |
| Tester Name: | rpa | | | | | | | | | | |
| Test Host: | p644381 | | | | | | | | | | |
| Test Date: | Thu Feb 5 06:43:19 EST 2015 | | | | | | | | | | |
| Device: | GalaxyS3 | | | | | | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Thu Feb 5 06:43:19 EST 2015 Acquisition finished: Thu Feb 5 06:59:46 EST 2015 Acquire All acquisition was successful | | | | | | | | | | |
| Results: | <table border="1"> <thead> <tr> <th>Assertion & Expected Result</th><th>Actual Result</th></tr> </thead> <tbody> <tr> <td>MDT-CA-06 Acquire-all mobile device data objects acquisition.</td><td>as expected</td></tr> <tr> <td>MDT-CA-07 Select-all mobile device data objects acquisition.</td><td>NA</td></tr> <tr> <td>MDT-CA-08 Select-individual mobile device data objects acquisition.</td><td>NA</td></tr> <tr> <td>MDT-CA-09 Perform back-to-back acquisitions, check device payload for modifications.</td><td>as expected</td></tr> </tbody> </table> | Assertion & Expected Result | Actual Result | MDT-CA-06 Acquire-all mobile device data objects acquisition. | as expected | MDT-CA-07 Select-all mobile device data objects acquisition. | NA | MDT-CA-08 Select-individual mobile device data objects acquisition. | NA | MDT-CA-09 Perform back-to-back acquisitions, check device payload for modifications. | as expected |
| Assertion & Expected Result | Actual Result | | | | | | | | | | |
| MDT-CA-06 Acquire-all mobile device data objects acquisition. | as expected | | | | | | | | | | |
| MDT-CA-07 Select-all mobile device data objects acquisition. | NA | | | | | | | | | | |
| MDT-CA-08 Select-individual mobile device data objects acquisition. | NA | | | | | | | | | | |
| MDT-CA-09 Perform back-to-back acquisitions, check device payload for modifications. | as expected | | | | | | | | | | |
| Analysis: | Expected results achieved | | | | | | | | | | |

181
182

183 **1.2.67 MDT-12 – Galaxy S3**

| Test Case MDT-12 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|---|---|--|-----------------------------|---------------|--|-------------|
| Case Summary: | MDT-12 After a successful mobile device internal memory, alter the case file via third-party means and attempt to re-open the case. | | | | | |
| Assertions: | MDT-AO-08 If the case file or individual data objects are modified via third-party means then the tool shall provide protection mechanisms disallowing or reporting data modification. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Thu Feb 5 06:43:39 EST 2015 | | | | | |
| Device: | GalaxyS3 | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Thu Feb 5 06:43:39 EST 2015 Acquisition finished: Thu Feb 5 06:59:55 EST 2015 Notification of modified device memory data was successful | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-AO-08 Notification of modified device case data.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-AO-08 Notification of modified device case data. | as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-AO-08 Notification of modified device case data. | as expected | | | | | |
| Analysis: | Expected results achieved | | | | | |

184

185 **1.2.68 MDT-19 – Galaxy S3**

| Test Case MDT-19 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|---|--|--|-----------------------------|---------------|---|-------------|
| Case Summary: | MDT-19 Acquire mobile device internal memory and review data containing non-ASCII characters. | | | | | |
| Assertions: | MDT-AO-13 If the mobile device forensic tool supports display of non-ASCII characters then acquired data containing non-ASCII characters should be presented in their native format. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Thu Feb 5 06:43:58 EST 2015 | | | | | |
| Device: | GalaxyS3 | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Thu Feb 5 06:43:58 EST 2015 Acquisition finished: Thu Feb 5 07:00:03 EST 2015 Non-ASCII Address book entries were acquired and properly displayed Non-ASCII text messages were acquired and properly displayed | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-AO-13 Acquisition of data containing non-ASCII characters presented in their native format.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-AO-13 Acquisition of data containing non-ASCII characters presented in their native format. | as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-AO-13 Acquisition of data containing non-ASCII characters presented in their native format. | as expected | | | | | |
| Analysis: | Expected results achieved | | | | | |

186

187

188 **1.2.69 MDT-22 – Galaxy S3**

| Test Case MDT-22 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|---|--|--|-----------------------------|---------------|---|-------------|
| Case Summary: | MDT-22 Acquire mobile device internal memory and review hash values for vendor supported data objects. | | | | | |
| Assertions: | MDT-AO-15 If the mobile device forensic tool supports hashing for individual data objects then the tool shall present the user with a hash value for each supported data object. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Thu Feb 5 06:44:18 EST 2015 | | | | | |
| Device: | GalaxyS3 | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Thu Feb 5 06:44:18 EST 2015 Acquisition finished: Thu Feb 5 07:00:09 EST 2015 Hash values were properly reported for individually acquired device data elements | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-AO-15 Hash values for individual data and case presented in a useable format.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-AO-15 Hash values for individual data and case presented in a useable format. | as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-AO-15 Hash values for individual data and case presented in a useable format. | as expected | | | | | |
| Analysis: | Expected results achieved | | | | | |

189

190 **1.2.70 MDT-24 – Galaxy S3**

| Test Case MDT-24 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|--|--|--|-----------------------------|---------------|--|-------------|
| Case Summary: | MDT-24 Acquire mobile device internal memory and review data containing GPS longitude and latitude coordinates | | | | | |
| Assertions: | MDT-AO-16 If the mobile device forensic tool supports acquisition of GPS data then the tool shall present the user with the longitude and latitude coordinates for all GPS-related data in a useable format. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Thu Feb 5 06:44:37 EST 2015 | | | | | |
| Device: | GalaxyS3 | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Thu Feb 5 06:44:37 EST 2015 Acquisition finished: Thu Feb 5 07:00:16 EST 2015 GPS Coordinate data was successfully acquired | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-AO-16 Acquisition of GPS related data presented in a useable format.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-AO-16 Acquisition of GPS related data presented in a useable format. | as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-AO-16 Acquisition of GPS related data presented in a useable format. | as expected | | | | | |
| Analysis: | Expected results achieved | | | | | |

191

192

193 1.2.71 MDT-01 – Galaxy S4

| Test Case MDT-01 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|---|--|--|-----------------------------|---------------|---|-------------|
| Case Summary: | MDT-01 Acquire mobile device internal memory over tool-supported interfaces (e.g., cable, Bluetooth, IrDA). | | | | | |
| Assertions: | MDT-CA-01 If a mobile device forensic tool provides support for connectivity of the target device then the tool shall successfully recognize the target device via all vendor supported interfaces (e.g., cable, Bluetooth, IrDA). | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Thu Feb 5 06:44:56 EST 2015 | | | | | |
| Device: | GalaxyS4 | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Thu Feb 5 06:44:56 EST 2015 Acquisition finished: Thu Feb 5 07:07:38 EST 2015 Device connectivity was established via supported interface | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-CA-01 Device connectivity via supported interfaces.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-CA-01 Device connectivity via supported interfaces. | as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-CA-01 Device connectivity via supported interfaces. | as expected | | | | | |
| Analysis: | Expected results achieved | | | | | |

194

195 1.2.72 MDT-02 – Galaxy S4

| Test Case MDT-02 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|---|--|--|-----------------------------|---------------|--|-------------|
| Case Summary: | MDT-02 Begin mobile device internal memory acquisition and interrupt connectivity by interface disengagement. | | | | | |
| Assertions: | MDT-CA-02 If connectivity between the mobile device and mobile device forensic tool is disrupted then the tool shall notify the user that connectivity has been disrupted. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Thu Feb 5 06:45:29 EST 2015 | | | | | |
| Device: | GalaxyS4 | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Thu Feb 5 06:45:29 EST 2015 Acquisition finished: Thu Feb 5 07:07:43 EST 2015 Device acquisition disruption notification was successful | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-CA-02 Notification of device acquisition disruption.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-CA-02 Notification of device acquisition disruption. | as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-CA-02 Notification of device acquisition disruption. | as expected | | | | | |
| Analysis: | Expected results achieved | | | | | |

196

197

198 **1.2.73 MDT-03 – Galaxy S4**

| Test Case MDT-03 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|--|--|--|-----------------------------|---------------|--|-------------|
| Case Summary: | MDT-03 Acquire mobile device internal memory and review reported data via the preview-pane or generated reports for readability. | | | | | |
| Assertions: | MDT-CA-03 If a mobile device forensic tool completes acquisition of the target device without error then the tool shall have the ability to present acquired data objects in a useable format via either a preview-pane or generated report. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Thu Feb 5 06:45:53 EST 2015 | | | | | |
| Device: | GalaxyS4 | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Thu Feb 5 06:45:53 EST 2015 Acquisition finished: Thu Feb 5 07:07:48 EST 2015 Readability and completeness of acquired data was successful | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-CA-03 Readability and completeness of acquired data via supported reports.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-CA-03 Readability and completeness of acquired data via supported reports. | as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-CA-03 Readability and completeness of acquired data via supported reports. | as expected | | | | | |
| Analysis: | Expected results achieved | | | | | |

199

200 **1.2.74 MDT-04 – Galaxy S4**

| | | | | | | |
|---|---|--|-----------------------------|---------------|---|---------|
| Test Case MDT-04 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
| Case Summary: | MDT-04 Acquire mobile device internal memory and review reported subscriber and equipment related information (e.g., IMSI, IMEI, MEID/ESN, MSISDN). | | | | | |
| Assertions: | MDT-CA-04 If a mobile device forensic tool completes acquisition of the target device without error then subscriber and equipment related information shall be presented in a useable format. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Thu Feb 5 06:46:15 EST 2015 | | | | | |
| Device: | GalaxyS4 | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Thu Feb 5 06:46:15 EST 2015 Acquisition finished: Thu Feb 5 07:07:55 EST 2015 IMEI was acquired Notes: MSISDN was not reported. | | | | | |
| Results: | <table><tr><td>Assertion & Expected Result</td><td>Actual Result</td></tr><tr><td>MDT-CA-04 Acquisition of mobile device subscriber and equipment related data in a useable format.</td><td>Partial</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-CA-04 Acquisition of mobile device subscriber and equipment related data in a useable format. | Partial |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-CA-04 Acquisition of mobile device subscriber and equipment related data in a useable format. | Partial | | | | | |
| Analysis: | Partial results achieved | | | | | |

201

202

203 **1.2.75 MDT-05 – Galaxy S4**

| Test Case MDT-05 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|---|--|--|-----------------------------|---------------|---|---------|
| Case Summary: | MDT-05 Acquire mobile device internal memory and review supported data elements (i.e., PIM data, call logs, SMS, MMS, stand-alone files: audio, pictures, video, application related data: documents, spreadsheets, presentations, social-media data and Internet related data: bookmarks, visited sites). | | | | | |
| Assertions: | MDT-CA-05 If a mobile device forensic tool completes acquisition of the target device without error then all supported data elements shall be presented in a useable format. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Thu Feb 5 06:46:36 EST 2015 | | | | | |
| Device: | GalaxyS4 | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | <p>Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Thu Feb 5 06:46:36 EST 2015 Acquisition finished: Thu Feb 5 07:08:01 EST 2015</p> <p>Regular Length Address Book entries were acquired Maximum Length Address Book entries were not acquired Special Character Address Book entries were acquired Blank Name Address Book entries were acquired Email addresses within Address Book entries were acquired Embedded graphics within Address Book entries were acquired Basic PIM related data was acquired Maximum length PIM related data was not acquired All Call Logs (incoming, outgoing, missed) were acquired All Call Log date/time stamps data were correctly reported ALL text messages (SMS, EMS) were acquired Correct date/time stamps were reported for all text messages Correct status flags were reported for all text messages Sender and Recipient phone numbers associated with text messages were correctly reported ALL MMS messages (Audio, Image, Video) were acquired ALL stand-alone data files (Audio, Image, Video) were acquired All application data was acquired All Internet related data was acquired Partial Social media related data was acquired</p> <p>Notes: Only the first and last word of Contacts were reported. Notes were not reported under the organizer category. Facebook and LinkedIn were not reported under the social networks category. Only twitter was reported. Recoverable deleted text messages were not reported.</p> | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-CA-05 Acquisition of all mobile device supported data elements in a useable format.</td><td>Partial</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-CA-05 Acquisition of all mobile device supported data elements in a useable format. | Partial |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-CA-05 Acquisition of all mobile device supported data elements in a useable format. | Partial | | | | | |
| Analysis: | Partial results achieved | | | | | |

204
205

206 1.2.76 MDT-06 – Galaxy S4

| Test Case MDT-06 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | | | | | | |
|--|---|-----------------------------|---------------|---|-------------|--|----|---|----|--|-------------|
| Case Summary: | MDT-06 Acquire mobile device internal memory by selecting a combination of supported data elements. | | | | | | | | | | |
| Assertions: | MDT-CA-06 If a mobile device forensic tool provides the user with an Acquire All device data objects acquisition option then the tool shall complete the acquisition of all data objects without error. MDT-CA-07 If a mobile device forensic tool provides the user with an Select All individual device data objects then the tool shall complete the acquisition of all individually selected data objects without error. MDT-CA-08 If a mobile device forensic tool provides the user with the ability to Select Individual device data objects for acquisition then the tool shall acquire each exclusive data object without error. MDT-CA-09 If a mobile device forensic tool completes two consecutive logical acquisitions of the target device without error then the payload (data objects) on the mobile device shall remain consistent. | | | | | | | | | | |
| Tester Name: | rpa | | | | | | | | | | |
| Test Host: | p644381 | | | | | | | | | | |
| Test Date: | Thu Feb 5 06:46:56 EST 2015 | | | | | | | | | | |
| Device: | GalaxyS4 | | | | | | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Thu Feb 5 06:46:56 EST 2015 Acquisition finished: Thu Feb 5 07:08:08 EST 2015 Acquire All acquisition was successful | | | | | | | | | | |
| Results: | <table border="1"> <thead> <tr> <th>Assertion & Expected Result</th><th>Actual Result</th></tr> </thead> <tbody> <tr> <td>MDT-CA-06 Acquire-all mobile device data objects acquisition.</td><td>as expected</td></tr> <tr> <td>MDT-CA-07 Select-all mobile device data objects acquisition.</td><td>NA</td></tr> <tr> <td>MDT-CA-08 Select-individual mobile device data objects acquisition.</td><td>NA</td></tr> <tr> <td>MDT-CA-09 Perform back-to-back acquisitions, check device payload for modifications.</td><td>as expected</td></tr> </tbody> </table> | Assertion & Expected Result | Actual Result | MDT-CA-06 Acquire-all mobile device data objects acquisition. | as expected | MDT-CA-07 Select-all mobile device data objects acquisition. | NA | MDT-CA-08 Select-individual mobile device data objects acquisition. | NA | MDT-CA-09 Perform back-to-back acquisitions, check device payload for modifications. | as expected |
| Assertion & Expected Result | Actual Result | | | | | | | | | | |
| MDT-CA-06 Acquire-all mobile device data objects acquisition. | as expected | | | | | | | | | | |
| MDT-CA-07 Select-all mobile device data objects acquisition. | NA | | | | | | | | | | |
| MDT-CA-08 Select-individual mobile device data objects acquisition. | NA | | | | | | | | | | |
| MDT-CA-09 Perform back-to-back acquisitions, check device payload for modifications. | as expected | | | | | | | | | | |
| Analysis: | Expected results achieved | | | | | | | | | | |

207

208 1.2.77 MDT-12 – Galaxy S4

| Test Case MDT-12 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | |
|---|---|
| Case Summary: | MDT-12 After a successful mobile device internal memory, alter the case file via third-party means and attempt to re-open the case. |
| Assertions: | MDT-AO-08 If the case file or individual data objects are modified via third-party means then the tool shall provide protection mechanisms disallowing or reporting data modification. |
| Tester Name: | rpa |
| Test Host: | p644381 |
| Test Date: | Thu Feb 5 06:47:17 EST 2015 |
| Device: | GalaxyS4 |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Thu Feb 5 06:47:17 EST 2015 Acquisition finished: Thu Feb 5 07:08:14 EST 2015 Notification of modified device memory data was successful |
| Results: | |

| Test Case MDT-12 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | |
|---|--|---------------|
| | Assertion & Expected Result | Actual Result |
| | MDT-AO-08 Notification of modified device case data. | as expected |
| Analysis: | Expected results achieved | |

209

210 1.2.78 MDT-19 – Galaxy S4

| Test Case MDT-19 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | |
|---|--|-------------|
| Case Summary: | MDT-19 Acquire mobile device internal memory and review data containing non-ASCII characters. | |
| Assertions: | MDT-AO-13 If the mobile device forensic tool supports display of non-ASCII characters then acquired data containing non-ASCII characters should be presented in their native format. | |
| Tester Name: | rpa | |
| Test Host: | p644381 | |
| Test Date: | Thu Feb 5 06:47:39 EST 2015 | |
| Device: | GalaxyS4 | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Thu Feb 5 06:47:39 EST 2015 Acquisition finished: Thu Feb 5 07:08:20 EST 2015 Non-ASCII Address book entries were acquired and properly displayed Non-ASCII text messages were acquired and properly displayed | |
| Results: | Assertion & Expected Result | |
| | MDT-AO-13 Acquisition of data containing non-ASCII characters presented in their native format. | as expected |
| Analysis: | Expected results achieved | |

211

212 1.2.79 MDT-22 – Galaxy S4

| Test Case MDT-22 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | |
|---|--|-------------|
| Case Summary: | MDT-22 Acquire mobile device internal memory and review hash values for vendor supported data objects. | |
| Assertions: | MDT-AO-15 If the mobile device forensic tool supports hashing for individual data objects then the tool shall present the user with a hash value for each supported data object. | |
| Tester Name: | rpa | |
| Test Host: | p644381 | |
| Test Date: | Thu Feb 5 06:47:58 EST 2015 | |
| Device: | GalaxyS4 | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Thu Feb 5 06:47:58 EST 2015 Acquisition finished: Thu Feb 5 07:08:25 EST 2015 Hash values were properly reported for individually acquired device data elements | |
| Results: | Assertion & Expected Result | |
| | MDT-AO-15 Hash values for individual data and case | as expected |

| Test Case MDT-22 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | |
|---|--------------------------------|--|
| | presented in a useable format. | |
| Analysis: | Expected results achieved | |

213

214 1.2.80 MDT-24 – Galaxy S4

| Test Case MDT-24 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|--|--|--|-----------------------------|---------------|--|-------------|
| Case Summary: | MDT-24 Acquire mobile device internal memory and review data containing GPS longitude and latitude coordinates | | | | | |
| Assertions: | MDT-AO-16 If the mobile device forensic tool supports acquisition of GPS data then the tool shall present the user with the longitude and latitude coordinates for all GPS-related data in a useable format. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Thu Feb 5 06:48:15 EST 2015 | | | | | |
| Device: | GalaxyS4 | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Thu Feb 5 06:48:15 EST 2015 Acquisition finished: Thu Feb 5 07:08:30 EST 2015 GPS Coordinate data was not successfully acquired Notes: GPS data - Navigation was not reported under the Applications category. | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-AO-16 Acquisition of GPS related data presented in a useable format.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-AO-16 Acquisition of GPS related data presented in a useable format. | as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-AO-16 Acquisition of GPS related data presented in a useable format. | as expected | | | | | |
| Analysis: | Expected results achieved | | | | | |

215

216 1.2.81 MDT-01 – Galaxy S5

| Test Case MDT-01 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|---|--|--|-----------------------------|---------------|---|-------------|
| Case Summary: | MDT-01 Acquire mobile device internal memory over tool-supported interfaces (e.g., cable, Bluetooth, IrDA). | | | | | |
| Assertions: | MDT-CA-01 If a mobile device forensic tool provides support for connectivity of the target device then the tool shall successfully recognize the target device via all vendor supported interfaces (e.g., cable, Bluetooth, IrDA). | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Thu Feb 5 06:48:35 EST 2015 | | | | | |
| Device: | GalaxyS5 | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Thu Feb 5 06:48:35 EST 2015 Acquisition finished: Thu Feb 5 07:12:45 EST 2015 Device connectivity was established via supported interface | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-CA-01 Device connectivity via supported interfaces.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-CA-01 Device connectivity via supported interfaces. | as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-CA-01 Device connectivity via supported interfaces. | as expected | | | | | |

| Test Case MDT-01 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | |
|---|---------------------------|
| | |
| Analysis: | Expected results achieved |

217

218 1.2.82 MDT-02 – Galaxy S5

| Test Case MDT-02 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | |
|---|--|-----------------------------|---------------|--|-------------|
| Case Summary: | MDT-02 Begin mobile device internal memory acquisition and interrupt connectivity by interface disengagement. | | | | |
| Assertions: | MDT-CA-02 If connectivity between the mobile device and mobile device forensic tool is disrupted then the tool shall notify the user that connectivity has been disrupted. | | | | |
| Tester Name: | rpa | | | | |
| Test Host: | p644381 | | | | |
| Test Date: | Thu Feb 5 06:48:56 EST 2015 | | | | |
| Device: | GalaxyS5 | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Thu Feb 5 06:48:56 EST 2015 Acquisition finished: Thu Feb 5 07:13:05 EST 2015 Device acquisition disruption notification was successful | | | | |
| Results: | <table border="1"> <thead> <tr> <th>Assertion & Expected Result</th><th>Actual Result</th></tr> </thead> <tbody> <tr> <td>MDT-CA-02 Notification of device acquisition disruption.</td><td>as expected</td></tr> </tbody> </table> | Assertion & Expected Result | Actual Result | MDT-CA-02 Notification of device acquisition disruption. | as expected |
| Assertion & Expected Result | Actual Result | | | | |
| MDT-CA-02 Notification of device acquisition disruption. | as expected | | | | |
| Analysis: | Expected results achieved | | | | |

219

220 1.2.83 MDT-03 – Galaxy S5

| Test Case MDT-03 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | |
|--|--|-----------------------------|---------------|--|-------------|
| Case Summary: | MDT-03 Acquire mobile device internal memory and review reported data via the preview-pane or generated reports for readability. | | | | |
| Assertions: | MDT-CA-03 If a mobile device forensic tool completes acquisition of the target device without error then the tool shall have the ability to present acquired data objects in a useable format via either a preview-pane or generated report. | | | | |
| Tester Name: | rpa | | | | |
| Test Host: | p644381 | | | | |
| Test Date: | Thu Feb 5 06:49:15 EST 2015 | | | | |
| Device: | GalaxyS5 | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Thu Feb 5 06:49:15 EST 2015 Acquisition finished: Thu Feb 5 07:13:13 EST 2015 Readability and completeness of acquired data was successful | | | | |
| Results: | <table border="1"> <thead> <tr> <th>Assertion & Expected Result</th><th>Actual Result</th></tr> </thead> <tbody> <tr> <td>MDT-CA-03 Readability and completeness of acquired data via supported reports.</td><td>as expected</td></tr> </tbody> </table> | Assertion & Expected Result | Actual Result | MDT-CA-03 Readability and completeness of acquired data via supported reports. | as expected |
| Assertion & Expected Result | Actual Result | | | | |
| MDT-CA-03 Readability and completeness of acquired data via supported reports. | as expected | | | | |
| Analysis: | Expected results achieved | | | | |

221 **1.2.84 MDT-04 – Galaxy S5**

| | | | | | | |
|---|--|--|-----------------------------|---------------|---|---------|
| Test Case MDT-04 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
| Case Summary: | MDT-04 Acquire mobile device internal memory and review reported subscriber and equipment related information (e.g., IMSI, IMEI, MEID/ESN, MSISDN). | | | | | |
| Assertions: | MDT-CA-04 If a mobile device forensic tool completes acquisition of the target device without error then subscriber and equipment related information shall be presented in a useable format. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Thu Feb 5 06:49:44 EST 2015 | | | | | |
| Device: | GalaxyS5 | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Thu Feb 5 06:49:44 EST 2015 Acquisition finished: Thu Feb 5 07:13:20 EST 2015 IMEI, MEID/ESN were acquired Notes: MSISDN was not reported. | | | | | |
| Results: | <table><tr><td>Assertion & Expected Result</td><td>Actual Result</td></tr><tr><td>MDT-CA-04 Acquisition of mobile device subscriber and equipment related data in a useable format.</td><td>Partial</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-CA-04 Acquisition of mobile device subscriber and equipment related data in a useable format. | Partial |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-CA-04 Acquisition of mobile device subscriber and equipment related data in a useable format. | Partial | | | | | |
| Analysis: | Partial results achieved | | | | | |

222

223 **1.2.85 MDT-05 – Galaxy S5**

| | | |
|--|--|--|
| Test Case MDT-05 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | |
| Case Summary: | MDT-05 Acquire mobile device internal memory and review supported data elements (i.e., PIM data, call logs, SMS, MMS, stand-alone files: audio, pictures, video, application related data: documents, spreadsheets, presentations, social-media data and Internet related data: bookmarks, visited sites). | |
| Assertions: | MDT-CA-05 If a mobile device forensic tool completes acquisition of the target device without error then all supported data elements shall be presented in a useable format. | |
| Tester Name: | rpa | |
| Test Host: | p644381 | |
| Test Date: | Thu Feb 5 06:50:08 EST 2015 | |
| Device: | GalaxyS5 | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | |
| Log Highlights: | <p>Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Thu Feb 5 06:50:08 EST 2015 Acquisition finished: Thu Feb 5 07:13:27 EST 2015</p> <p>Regular Length Address Book entries were acquired Maximum Length Address Book entries were not acquired Special Character Address Book entries were acquired Blank Name Address Book entries were acquired Email addresses within Address Book entries were acquired Embedded graphics within Address Book entries were acquired Basic PIM related data was acquired Maximum length PIM related data was not acquired All Call Logs (incoming, outgoing, missed) were acquired All Call Log date/time stamps data were correctly reported ALL text messages (SMS, EMS) were acquired</p> | |

| Test Case MDT-05 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | |
|---|---|-----------------------------|---------------|---|---------|
| | <p>Correct date/time stamps were reported for all text messages Partial status flags were reported for text messages Sender and Recipient phone numbers associated with text messages were correctly reported ALL MMS messages (Audio, Image, Video) were acquired ALL stand-alone data files (Audio, Image, Video) were acquired All application data was acquired All Internet related data was acquired Partial Social media related data was acquired</p> <p>Notes: Only the first and last word of Contacts were reported. Notes were not reported under the organizer category. Facebook was not reported under the social networks category. Only twitter and LinkedIn were reported. Deleted text messages were not classified as deleted messages.</p> | | | | |
| Results: | <table border="1"> <thead> <tr> <th>Assertion & Expected Result</th><th>Actual Result</th></tr> </thead> <tbody> <tr> <td>MDT-CA-05 Acquisition of all mobile device supported data elements in a useable format.</td><td>Partial</td></tr> </tbody> </table> | Assertion & Expected Result | Actual Result | MDT-CA-05 Acquisition of all mobile device supported data elements in a useable format. | Partial |
| Assertion & Expected Result | Actual Result | | | | |
| MDT-CA-05 Acquisition of all mobile device supported data elements in a useable format. | Partial | | | | |
| Analysis: | Partial results achieved | | | | |

224

225 1.2.86 MDT-06 – Galaxy S5

| Test Case MDT-06 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | | | | | | |
|--|--|-----------------------------|---------------|---|-------------|--|----|---|----|--|-------------|
| Case Summary: | MDT-06 Acquire mobile device internal memory by selecting a combination of supported data elements. | | | | | | | | | | |
| Assertions: | <p>MDT-CA-06 If a mobile device forensic tool provides the user with an Acquire All device data objects acquisition option then the tool shall complete the acquisition of all data objects without error.</p> <p>MDT-CA-07 If a mobile device forensic tool provides the user with an Select All individual device data objects then the tool shall complete the acquisition of all individually selected data objects without error.</p> <p>MDT-CA-08 If a mobile device forensic tool provides the user with the ability to Select Individual device data objects for acquisition then the tool shall acquire each exclusive data object without error.</p> <p>MDT-CA-09 If a mobile device forensic tool completes two consecutive logical acquisitions of the target device without error then the payload (data objects) on the mobile device shall remain consistent.</p> | | | | | | | | | | |
| Tester Name: | rpa | | | | | | | | | | |
| Test Host: | p644381 | | | | | | | | | | |
| Test Date: | Thu Feb 5 06:50:26 EST 2015 | | | | | | | | | | |
| Device: | GalaxyS5 | | | | | | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | | | | | | |
| Log Highlights: | <p>Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Thu Feb 5 06:50:26 EST 2015 Acquisition finished: Thu Feb 5 07:13:34 EST 2015</p> <p>Acquire All acquisition was successful</p> | | | | | | | | | | |
| Results: | <table border="1"> <thead> <tr> <th>Assertion & Expected Result</th><th>Actual Result</th></tr> </thead> <tbody> <tr> <td>MDT-CA-06 Acquire-all mobile device data objects acquisition.</td><td>as expected</td></tr> <tr> <td>MDT-CA-07 Select-all mobile device data objects acquisition.</td><td>NA</td></tr> <tr> <td>MDT-CA-08 Select-individual mobile device data objects acquisition.</td><td>NA</td></tr> <tr> <td>MDT-CA-09 Perform back-to-back acquisitions, check device payload for modifications.</td><td>as expected</td></tr> </tbody> </table> | Assertion & Expected Result | Actual Result | MDT-CA-06 Acquire-all mobile device data objects acquisition. | as expected | MDT-CA-07 Select-all mobile device data objects acquisition. | NA | MDT-CA-08 Select-individual mobile device data objects acquisition. | NA | MDT-CA-09 Perform back-to-back acquisitions, check device payload for modifications. | as expected |
| Assertion & Expected Result | Actual Result | | | | | | | | | | |
| MDT-CA-06 Acquire-all mobile device data objects acquisition. | as expected | | | | | | | | | | |
| MDT-CA-07 Select-all mobile device data objects acquisition. | NA | | | | | | | | | | |
| MDT-CA-08 Select-individual mobile device data objects acquisition. | NA | | | | | | | | | | |
| MDT-CA-09 Perform back-to-back acquisitions, check device payload for modifications. | as expected | | | | | | | | | | |

| Test Case MDT-06 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | |
|---|---------------------------|
| | |
| Analysis: | Expected results achieved |

226

227 1.2.87 MDT-12 – Galaxy S5

| Test Case MDT-12 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | |
|---|--|-----------------------------|---------------|--|-------------|
| Case Summary: | MDT-12 After a successful mobile device internal memory, alter the case file via third-party means and attempt to re-open the case. | | | | |
| Assertions: | MDT-AO-08 If the case file or individual data objects are modified via third-party means then the tool shall provide protection mechanisms disallowing or reporting data modification. | | | | |
| Tester Name: | rpa | | | | |
| Test Host: | p644381 | | | | |
| Test Date: | Thu Feb 5 06:50:44 EST 2015 | | | | |
| Device: | GalaxyS5 | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Thu Feb 5 06:50:44 EST 2015 Acquisition finished: Thu Feb 5 07:13:39 EST 2015 Notification of modified device memory data was successful | | | | |
| Results: | <table border="1"> <thead> <tr> <th>Assertion & Expected Result</th><th>Actual Result</th></tr> </thead> <tbody> <tr> <td>MDT-AO-08 Notification of modified device case data.</td><td>as expected</td></tr> </tbody> </table> | Assertion & Expected Result | Actual Result | MDT-AO-08 Notification of modified device case data. | as expected |
| Assertion & Expected Result | Actual Result | | | | |
| MDT-AO-08 Notification of modified device case data. | as expected | | | | |
| Analysis: | Expected results achieved | | | | |

228

229 1.2.88 MDT-19 – Galaxy S5

| Test Case MDT-19 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | |
|---|--|-----------------------------|---------------|---|-------------|
| Case Summary: | MDT-19 Acquire mobile device internal memory and review data containing non-ASCII characters. | | | | |
| Assertions: | MDT-AO-13 If the mobile device forensic tool supports display of non-ASCII characters then acquired data containing non-ASCII characters should be presented in their native format. | | | | |
| Tester Name: | rpa | | | | |
| Test Host: | p644381 | | | | |
| Test Date: | Thu Feb 5 06:51:02 EST 2015 | | | | |
| Device: | GalaxyS5 | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Thu Feb 5 06:51:02 EST 2015 Acquisition finished: Thu Feb 5 07:13:47 EST 2015 Non-ASCII Address book entries were acquired and properly displayed Non-ASCII text messages were acquired and properly displayed | | | | |
| Results: | <table border="1"> <thead> <tr> <th>Assertion & Expected Result</th><th>Actual Result</th></tr> </thead> <tbody> <tr> <td>MDT-AO-13 Acquisition of data containing non-ASCII characters presented in their native format.</td><td>as expected</td></tr> </tbody> </table> | Assertion & Expected Result | Actual Result | MDT-AO-13 Acquisition of data containing non-ASCII characters presented in their native format. | as expected |
| Assertion & Expected Result | Actual Result | | | | |
| MDT-AO-13 Acquisition of data containing non-ASCII characters presented in their native format. | as expected | | | | |
| Analysis: | Expected results achieved | | | | |

230

231 **1.2.89 MDT-22 – Galaxy S5**

| | | | | | | |
|---|--|--|-----------------------------|---------------|---|-------------|
| Test Case MDT-22 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
| Case Summary: | MDT-22 Acquire mobile device internal memory and review hash values for vendor supported data objects. | | | | | |
| Assertions: | MDT-AO-15 If the mobile device forensic tool supports hashing for individual data objects then the tool shall present the user with a hash value for each supported data object. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Thu Feb 5 06:51:21 EST 2015 | | | | | |
| Device: | GalaxyS5 | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Thu Feb 5 06:51:21 EST 2015 Acquisition finished: Thu Feb 5 07:13:51 EST 2015 Hash values were properly reported for individually acquired device data elements | | | | | |
| Results: | <table><tr><td>Assertion & Expected Result</td><td>Actual Result</td></tr><tr><td>MDT-AO-15 Hash values for individual data and case presented in a useable format.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-AO-15 Hash values for individual data and case presented in a useable format. | as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-AO-15 Hash values for individual data and case presented in a useable format. | as expected | | | | | |
| Analysis: | Expected results achieved | | | | | |

232

233 **1.2.90 MDT-24 – Galaxy S5**

| | | | | | | |
|--|--|--|-----------------------------|---------------|--|-------------|
| Test Case MDT-24 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
| Case Summary: | MDT-24 Acquire mobile device internal memory and review data containing GPS longitude and latitude coordinates | | | | | |
| Assertions: | MDT-AO-16 If the mobile device forensic tool supports acquisition of GPS data then the tool shall present the user with the longitude and latitude coordinates for all GPS-related data in a useable format. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Thu Feb 5 06:51:38 EST 2015 | | | | | |
| Device: | GalaxyS5 | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Thu Feb 5 06:51:38 EST 2015 Acquisition finished: Thu Feb 5 07:13:56 EST 2015 GPS Coordinate data was successfully acquired | | | | | |
| Results: | <table><tr><td>Assertion & Expected Result</td><td>Actual Result</td></tr><tr><td>MDT-AO-16 Acquisition of GPS related data presented in a useable format.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-AO-16 Acquisition of GPS related data presented in a useable format. | as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-AO-16 Acquisition of GPS related data presented in a useable format. | as expected | | | | | |
| Analysis: | Expected results achieved | | | | | |

234

235

236 1.2.91 MDT-01 – Galaxy Note 3

| Test Case MDT-01 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|---|--|--|-----------------------------|---------------|---|-------------|
| Case Summary: | MDT-01 Acquire mobile device internal memory over tool-supported interfaces (e.g., cable, Bluetooth, IrDA). | | | | | |
| Assertions: | MDT-CA-01 If a mobile device forensic tool provides support for connectivity of the target device then the tool shall successfully recognize the target device via all vendor supported interfaces (e.g., cable, Bluetooth, IrDA). | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Fri Feb 6 13:03:46 EST 2015 | | | | | |
| Device: | GalaxyNote3 | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Fri Feb 6 13:03:46 EST 2015 Acquisition finished: Fri Feb 6 13:19:10 EST 2015 Device connectivity was established via supported interface | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-CA-01 Device connectivity via supported interfaces.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-CA-01 Device connectivity via supported interfaces. | as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-CA-01 Device connectivity via supported interfaces. | as expected | | | | | |
| Analysis: | Expected results achieved | | | | | |

237

238 1.2.92 MDT-02 – Galaxy Note 3

| Test Case MDT-02 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|---|--|--|-----------------------------|---------------|--|-------------|
| Case Summary: | MDT-02 Begin mobile device internal memory acquisition and interrupt connectivity by interface disengagement. | | | | | |
| Assertions: | MDT-CA-02 If connectivity between the mobile device and mobile device forensic tool is disrupted then the tool shall notify the user that connectivity has been disrupted. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Fri Feb 6 13:04:05 EST 2015 | | | | | |
| Device: | GalaxyNote3 | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Fri Feb 6 13:04:05 EST 2015 Acquisition finished: Fri Feb 6 13:19:15 EST 2015 Device acquisition disruption notification was successful | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-CA-02 Notification of device acquisition disruption.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-CA-02 Notification of device acquisition disruption. | as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-CA-02 Notification of device acquisition disruption. | as expected | | | | | |
| Analysis: | Expected results achieved | | | | | |

239

240

241 1.2.93 MDT-03 – Galaxy Note 3

| Test Case MDT-03 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|--|--|--|-----------------------------|---------------|--|-------------|
| Case Summary: | MDT-03 Acquire mobile device internal memory and review reported data via the preview-pane or generated reports for readability. | | | | | |
| Assertions: | MDT-CA-03 If a mobile device forensic tool completes acquisition of the target device without error then the tool shall have the ability to present acquired data objects in a useable format via either a preview-pane or generated report. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Fri Feb 6 13:04:23 EST 2015 | | | | | |
| Device: | GalaxyNote3 | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Fri Feb 6 13:04:23 EST 2015 Acquisition finished: Fri Feb 6 13:19:21 EST 2015 Readability and completeness of acquired data was successful | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-CA-03 Readability and completeness of acquired data via supported reports.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-CA-03 Readability and completeness of acquired data via supported reports. | as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-CA-03 Readability and completeness of acquired data via supported reports. | as expected | | | | | |
| Analysis: | Expected results achieved | | | | | |

242

243 1.2.94 MDT-04 – Galaxy Note 3

| Test Case MDT-04 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|---|--|--|-----------------------------|---------------|---|---------|
| Case Summary: | MDT-04 Acquire mobile device internal memory and review reported subscriber and equipment related information (e.g., IMSI, IMEI, MEID/ESN, MSISDN). | | | | | |
| Assertions: | MDT-CA-04 If a mobile device forensic tool completes acquisition of the target device without error then subscriber and equipment related information shall be presented in a useable format. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Fri Feb 6 13:04:41 EST 2015 | | | | | |
| Device: | GalaxyNote3 | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Fri Feb 6 13:04:41 EST 2015 Acquisition finished: Fri Feb 6 13:19:26 EST 2015 IMEI, MEID/ESN were acquired Notes: MSISDN was not reported. | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-CA-04 Acquisition of mobile device subscriber and equipment related data in a useable format.</td><td>Partial</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-CA-04 Acquisition of mobile device subscriber and equipment related data in a useable format. | Partial |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-CA-04 Acquisition of mobile device subscriber and equipment related data in a useable format. | Partial | | | | | |
| Analysis: | Partial results achieved | | | | | |

244

245

1.2.95 MDT-05 – Galaxy Note 3

| Test Case MDT-05 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|---|---|--|-----------------------------|---------------|---|---------|
| Case Summary: | MDT-05 Acquire mobile device internal memory and review supported data elements (i.e., PIM data, call logs, SMS, MMS, stand-alone files: audio, pictures, video, application related data: documents, spreadsheets, presentations, social-media data and Internet related data: bookmarks, visited sites). | | | | | |
| Assertions: | MDT-CA-05 If a mobile device forensic tool completes acquisition of the target device without error then all supported data elements shall be presented in a useable format. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Fri Feb 6 13:05:00 EST 2015 | | | | | |
| Device: | GalaxyNote3 | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | <p>Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Fri Feb 6 13:05:00 EST 2015 Acquisition finished: Fri Feb 6 13:19:34 EST 2015</p> <p>Regular Length Address Book entries were acquired Maximum Length Address Book entries were not acquired Special Character Address Book entries were acquired Blank Name Address Book entries were acquired Email addresses within Address Book entries were acquired Embedded graphics within Address Book entries were acquired Basic PIM related data was not acquired Maximum length PIM related data was not acquired Incoming Calls were not acquired Outgoing Calls were not acquired Missed Calls were not acquired ALL text messages (SMS, EMS) were acquired Correct date/time stamps were reported for all text messages Correct status flags were reported for all text messages Sender and Recipient phone numbers associated with text messages were correctly reported ALL MMS messages (Audio, Image, Video) were acquired ALL stand-alone data files (Audio, Image, Video) were acquired All application data was acquired Internet related data was not acquired All Social media related data was acquired</p> <p>Notes: Only the first and last word of Contacts were reported. Calendar entries and Notes were not reported under the organizer category. Call logs were not reported. Recoverable deleted text messages were not reported. Bookmarks and visited sites were not reported.</p> | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-CA-05 Acquisition of all mobile device supported data elements in a useable format.</td><td>Partial</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-CA-05 Acquisition of all mobile device supported data elements in a useable format. | Partial |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-CA-05 Acquisition of all mobile device supported data elements in a useable format. | Partial | | | | | |
| Analysis: | Partial results achieved | | | | | |

249 1.2.96 MDT-06 – Galaxy Note 3

| Test Case MDT-06 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | | | | | | |
|--|---|-----------------------------|---------------|---|-------------|--|----|---|----|--|-------------|
| Case Summary: | MDT-06 Acquire mobile device internal memory by selecting a combination of supported data elements. | | | | | | | | | | |
| Assertions: | MDT-CA-06 If a mobile device forensic tool provides the user with an Acquire All device data objects acquisition option then the tool shall complete the acquisition of all data objects without error. MDT-CA-07 If a mobile device forensic tool provides the user with an Select All individual device data objects then the tool shall complete the acquisition of all individually selected data objects without error. MDT-CA-08 If a mobile device forensic tool provides the user with the ability to Select Individual device data objects for acquisition then the tool shall acquire each exclusive data object without error. MDT-CA-09 If a mobile device forensic tool completes two consecutive logical acquisitions of the target device without error then the payload (data objects) on the mobile device shall remain consistent. | | | | | | | | | | |
| Tester Name: | rpa | | | | | | | | | | |
| Test Host: | p644381 | | | | | | | | | | |
| Test Date: | Fri Feb 6 13:05:17 EST 2015 | | | | | | | | | | |
| Device: | GalaxyNote3 | | | | | | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Fri Feb 6 13:05:17 EST 2015 Acquisition finished: Fri Feb 6 13:19:39 EST 2015 Acquire All acquisition was successful | | | | | | | | | | |
| Results: | <table border="1"> <thead> <tr> <th>Assertion & Expected Result</th><th>Actual Result</th></tr> </thead> <tbody> <tr> <td>MDT-CA-06 Acquire-all mobile device data objects acquisition.</td><td>as expected</td></tr> <tr> <td>MDT-CA-07 Select-all mobile device data objects acquisition.</td><td>NA</td></tr> <tr> <td>MDT-CA-08 Select-individual mobile device data objects acquisition.</td><td>NA</td></tr> <tr> <td>MDT-CA-09 Perform back-to-back acquisitions, check device payload for modifications.</td><td>as expected</td></tr> </tbody> </table> | Assertion & Expected Result | Actual Result | MDT-CA-06 Acquire-all mobile device data objects acquisition. | as expected | MDT-CA-07 Select-all mobile device data objects acquisition. | NA | MDT-CA-08 Select-individual mobile device data objects acquisition. | NA | MDT-CA-09 Perform back-to-back acquisitions, check device payload for modifications. | as expected |
| Assertion & Expected Result | Actual Result | | | | | | | | | | |
| MDT-CA-06 Acquire-all mobile device data objects acquisition. | as expected | | | | | | | | | | |
| MDT-CA-07 Select-all mobile device data objects acquisition. | NA | | | | | | | | | | |
| MDT-CA-08 Select-individual mobile device data objects acquisition. | NA | | | | | | | | | | |
| MDT-CA-09 Perform back-to-back acquisitions, check device payload for modifications. | as expected | | | | | | | | | | |
| Analysis: | Expected results achieved | | | | | | | | | | |

250

251 1.2.97 MDT-12 – Galaxy Note 3

| Test Case MDT-12 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | |
|---|---|
| Case Summary: | MDT-12 After a successful mobile device internal memory, alter the case file via third-party means and attempt to re-open the case. |
| Assertions: | MDT-AO-08 If the case file or individual data objects are modified via third-party means then the tool shall provide protection mechanisms disallowing or reporting data modification. |
| Tester Name: | rpa |
| Test Host: | p644381 |
| Test Date: | Fri Feb 6 13:05:34 EST 2015 |
| Device: | GalaxyNote3 |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Fri Feb 6 13:05:34 EST 2015 Acquisition finished: Fri Feb 6 13:19:46 EST 2015 Notification of modified device memory data was successful |
| Results: | |

| Test Case MDT-12 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | |
|---|--|---------------|
| | Assertion & Expected Result | Actual Result |
| | MDT-AO-08 Notification of modified device case data. | as expected |
| Analysis: | Expected results achieved | |

252

253 1.2.98 MDT-19 – Galaxy Note 3

| Test Case MDT-19 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | |
|---|--|-------------|
| Case Summary: | MDT-19 Acquire mobile device internal memory and review data containing non-ASCII characters. | |
| Assertions: | MDT-AO-13 If the mobile device forensic tool supports display of non-ASCII characters then acquired data containing non-ASCII characters should be presented in their native format. | |
| Tester Name: | rpa | |
| Test Host: | p644381 | |
| Test Date: | Fri Feb 6 13:05:52 EST 2015 | |
| Device: | GalaxyNote3 | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Fri Feb 6 13:05:52 EST 2015 Acquisition finished: Fri Feb 6 13:19:52 EST 2015 Non-ASCII Address book entries were acquired and properly displayed Non-ASCII text messages were acquired and properly displayed | |
| Results: | Assertion & Expected Result | |
| | MDT-AO-13 Acquisition of data containing non-ASCII characters presented in their native format. | as expected |
| Analysis: | Expected results achieved | |

254

255 1.2.99 MDT-22 – Galaxy Note 3

| Test Case MDT-22 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | |
|---|--|-------------|
| Case Summary: | MDT-22 Acquire mobile device internal memory and review hash values for vendor supported data objects. | |
| Assertions: | MDT-AO-15 If the mobile device forensic tool supports hashing for individual data objects then the tool shall present the user with a hash value for each supported data object. | |
| Tester Name: | rpa | |
| Test Host: | p644381 | |
| Test Date: | Fri Feb 6 13:06:11 EST 2015 | |
| Device: | GalaxyNote3 | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Fri Feb 6 13:06:11 EST 2015 Acquisition finished: Fri Feb 6 13:19:58 EST 2015 Hash values were properly reported for individually acquired device data elements | |
| Results: | Assertion & Expected Result | |
| | MDT-AO-15 Hash values for individual data and case | as expected |

| Test Case MDT-22 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | |
|---|--------------------------------|--|
| | presented in a useable format. | |
| Analysis: | Expected results achieved | |

256

257 1.2.100 MDT-24 – Galaxy Note 3

| Test Case MDT-24 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|--|--|--|-----------------------------|---------------|--|-------------|
| Case Summary: | MDT-24 Acquire mobile device internal memory and review data containing GPS longitude and latitude coordinates | | | | | |
| Assertions: | MDT-AO-16 If the mobile device forensic tool supports acquisition of GPS data then the tool shall present the user with the longitude and latitude coordinates for all GPS-related data in a useable format. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Fri Feb 6 13:06:28 EST 2015 | | | | | |
| Device: | GalaxyNote3 | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Fri Feb 6 13:06:28 EST 2015 Acquisition finished: Fri Feb 6 13:20:06 EST 2015 GPS Coordinate data was successfully acquired | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-AO-16 Acquisition of GPS related data presented in a useable format.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-AO-16 Acquisition of GPS related data presented in a useable format. | as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-AO-16 Acquisition of GPS related data presented in a useable format. | as expected | | | | | |
| Analysis: | Expected results achieved | | | | | |

258

259 1.2.101 MDT-01 – HTC One GSM

| Test Case MDT-01 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|---|--|--|-----------------------------|---------------|---|-------------|
| Case Summary: | MDT-01 Acquire mobile device internal memory over tool-supported interfaces (e.g., cable, Bluetooth, IrDA). | | | | | |
| Assertions: | MDT-CA-01 If a mobile device forensic tool provides support for connectivity of the target device then the tool shall successfully recognize the target device via all vendor supported interfaces (e.g., cable, Bluetooth, IrDA). | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Fri Feb 6 13:11:36 EST 2015 | | | | | |
| Device: | HTCOneGSM | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Fri Feb 6 13:11:36 EST 2015 Acquisition finished: Fri Feb 6 13:21:20 EST 2015 Device connectivity was established via supported interface | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-CA-01 Device connectivity via supported interfaces.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-CA-01 Device connectivity via supported interfaces. | as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-CA-01 Device connectivity via supported interfaces. | as expected | | | | | |
| Analysis: | Expected results achieved | | | | | |

260 1.2.102 MDT-02 – HTC One GSM

| Test Case MDT-02 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|---|--|--|-----------------------------|---------------|--|-------------|
| Case Summary: | MDT-02 Begin mobile device internal memory acquisition and interrupt connectivity by interface disengagement. | | | | | |
| Assertions: | MDT-CA-02 If connectivity between the mobile device and mobile device forensic tool is disrupted then the tool shall notify the user that connectivity has been disrupted. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Fri Feb 6 13:12:30 EST 2015 | | | | | |
| Device: | HTCOneGSM | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Fri Feb 6 13:12:30 EST 2015 Acquisition finished: Fri Feb 6 13:21:25 EST 2015 Device acquisition disruption notification was successful | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-CA-02 Notification of device acquisition disruption.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-CA-02 Notification of device acquisition disruption. | as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-CA-02 Notification of device acquisition disruption. | as expected | | | | | |
| Analysis: | Expected results achieved | | | | | |

261

262 1.2.103 MDT-03 – HTC One GSM

| Test Case MDT-03 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|--|--|---------------|-----------------------------|---------------|--|-------------|
| Case Summary: | MDT-03 Acquire mobile device internal memory and review reported data via the preview-pane or generated reports for readability. | | | | | |
| Assertions: | MDT-CA-03 If a mobile device forensic tool completes acquisition of the target device without error then the tool shall have the ability to present acquired data objects in a useable format via either a preview-pane or generated report. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Fri Feb 6 13:12:55 EST 2015 | | | | | |
| Device: | HTCOneGSM | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Fri Feb 6 13:12:55 EST 2015 Acquisition finished: Fri Feb 6 13:21:30 EST 2015 Readability and completeness of acquired data was successful | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-CA-03 Readability and completeness of acquired data via supported reports.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-CA-03 Readability and completeness of acquired data via supported reports. | as expected |
| | Assertion & Expected Result | Actual Result | | | | |
| MDT-CA-03 Readability and completeness of acquired data via supported reports. | as expected | | | | | |
| Analysis: | Expected results achieved | | | | | |

263

264

265

266 **1.2.104 MDT-04 – HTC One GSM**

| Test Case MDT-04 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|---|---|--|-----------------------------|---------------|---|---------|
| Case Summary: | MDT-04 Acquire mobile device internal memory and review reported subscriber and equipment related information (e.g., IMSI, IMEI, MEID/ESN, MSISDN). | | | | | |
| Assertions: | MDT-CA-04 If a mobile device forensic tool completes acquisition of the target device without error then subscriber and equipment related information shall be presented in a useable format. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Fri Feb 6 13:13:15 EST 2015 | | | | | |
| Device: | HTCOneGSM | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Fri Feb 6 13:13:15 EST 2015 Acquisition finished: Fri Feb 6 13:21:36 EST 2015 IMEI was acquired Notes: MSISDN was not reported. | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-CA-04 Acquisition of mobile device subscriber and equipment related data in a useable format.</td><td>Partial</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-CA-04 Acquisition of mobile device subscriber and equipment related data in a useable format. | Partial |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-CA-04 Acquisition of mobile device subscriber and equipment related data in a useable format. | Partial | | | | | |
| Analysis: | Partial results achieved | | | | | |

267

268 **1.2.105 MDT-05 – HTC One GSM**

| Test Case MDT-05 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | |
|--|--|--|
| Case Summary: | MDT-05 Acquire mobile device internal memory and review supported data elements (i.e., PIM data, call logs, SMS, MMS, stand-alone files: audio, pictures, video, application related data: documents, spreadsheets, presentations, social-media data and Internet related data: bookmarks, visited sites). | |
| Assertions: | MDT-CA-05 If a mobile device forensic tool completes acquisition of the target device without error then all supported data elements shall be presented in a useable format. | |
| Tester Name: | rpa | |
| Test Host: | p644381 | |
| Test Date: | Fri Feb 6 13:13:34 EST 2015 | |
| Device: | HTCOneGSM | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | |
| Log Highlights: | <p>Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Fri Feb 6 13:13:34 EST 2015 Acquisition finished: Fri Feb 6 13:21:42 EST 2015</p> <p>Regular Length Address Book entries were acquired Maximum Length Address Book entries were not acquired Special Character Address Book entries were acquired Blank Name Address Book entries were acquired Email addresses within Address Book entries were acquired Embedded graphics within Address Book entries were acquired Basic PIM related data was not acquired Maximum length PIM related data was not acquired Incoming Calls were not acquired Outgoing Calls were not acquired Missed Calls were not acquired</p> | |

| Test Case MDT-05 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|---|--|---------------|-----------------------------|---------------|---|---------|
| | <p>Date/Time Stamps incorrectly reported for Incoming Calls Date/Time Stamps incorrectly reported for Outgoing Calls Date/Time Stamps incorrectly reported for Missed Calls ALL text messages (SMS, EMS) were acquired Correct date/time stamps were reported for all text messages Correct status flags were reported for all text messages Sender and Recipient phone numbers associated with text messages were correctly reported ALL MMS messages (Audio, Image, Video) were acquired ALL stand-alone data files (Audio, Image, Video) were acquired All application data was acquired Internet related data was not acquired Partial Social media related data was acquired</p> <p>Notes: Only the first and last word of Contacts were reported. Calendar and Notes were not reported under the organizer category. Call logs were not reported. Recoverable deleted text messages were not reported. Internet related data - bookmarks, visited sites were not reported. Social media related data - facebook and linkedin were not reported.</p> | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-CA-05 Acquisition of all mobile device supported data elements in a useable format.</td><td>Partial</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-CA-05 Acquisition of all mobile device supported data elements in a useable format. | Partial |
| | Assertion & Expected Result | Actual Result | | | | |
| MDT-CA-05 Acquisition of all mobile device supported data elements in a useable format. | Partial | | | | | |
| Analysis: | Partial results achieved | | | | | |

269

270 1.2.106 MDT-06 – HTC One GSM

| Test Case MDT-06 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | | | |
|---|---|--|-----------------------------|---------------|---|-------------|---|----|
| Case Summary: | MDT-06 Acquire mobile device internal memory by selecting a combination of supported data elements. | | | | | | | |
| Assertions: | MDT-CA-06 If a mobile device forensic tool provides the user with an Acquire All device data objects acquisition option then the tool shall complete the acquisition of all data objects without error. MDT-CA-07 If a mobile device forensic tool provides the user with an Select All individual device data objects then the tool shall complete the acquisition of all individually selected data objects without error. MDT-CA-08 If a mobile device forensic tool provides the user with the ability to Select Individual device data objects for acquisition then the tool shall acquire each exclusive data object without error. MDT-CA-09 If a mobile device forensic tool completes two consecutive logical acquisitions of the target device without error then the payload (data objects) on the mobile device shall remain consistent. | | | | | | | |
| Tester Name: | rpa | | | | | | | |
| Test Host: | p644381 | | | | | | | |
| Test Date: | Fri Feb 6 13:13:52 EST 2015 | | | | | | | |
| Device: | HTCOneGSM | | | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Fri Feb 6 13:13:52 EST 2015 Acquisition finished: Fri Feb 6 13:21:48 EST 2015 Acquire All acquisition was successful | | | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-CA-06 Acquire-all mobile device data objects acquisition.</td><td>as expected</td></tr><tr><td>MDT-CA-07 Select-all mobile device data objects</td><td>NA</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-CA-06 Acquire-all mobile device data objects acquisition. | as expected | MDT-CA-07 Select-all mobile device data objects | NA |
| Assertion & Expected Result | Actual Result | | | | | | | |
| MDT-CA-06 Acquire-all mobile device data objects acquisition. | as expected | | | | | | | |
| MDT-CA-07 Select-all mobile device data objects | NA | | | | | | | |

| Test Case MDT-06 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | |
|---|--|-------------|
| | acquisition. | |
| | MDT-CA-08 Select-individual mobile device data objects acquisition. | NA |
| | MDT-CA-09 Perform back-to-back acquisitions, check device payload for modifications. | as expected |
| Analysis: | Expected results achieved | |

271

272 1.2.107 MDT-12 – HTC One GSM

| Test Case MDT-12 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|---|---|--|-----------------------------|---------------|--|-------------|
| Case Summary: | MDT-12 After a successful mobile device internal memory, alter the case file via third-party means and attempt to re-open the case. | | | | | |
| Assertions: | MDT-AO-08 If the case file or individual data objects are modified via third-party means then the tool shall provide protection mechanisms disallowing or reporting data modification. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Fri Feb 6 13:14:13 EST 2015 | | | | | |
| Device: | HTCOneGSM | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Fri Feb 6 13:14:13 EST 2015 Acquisition finished: Fri Feb 6 13:21:52 EST 2015 Notification of modified device memory data was successful | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-AO-08 Notification of modified device case data.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-AO-08 Notification of modified device case data. | as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-AO-08 Notification of modified device case data. | as expected | | | | | |
| Analysis: | Expected results achieved | | | | | |

273

274 1.2.108 MDT-19 – HTC One GSM

| Test Case MDT-19 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|---|--|--|-----------------------------|---------------|--|-------------|
| Case Summary: | MDT-19 Acquire mobile device internal memory and review data containing non-ASCII characters. | | | | | |
| Assertions: | MDT-AO-13 If the mobile device forensic tool supports display of non-ASCII characters then acquired data containing non-ASCII characters should be presented in their native format. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Fri Feb 6 13:14:30 EST 2015 | | | | | |
| Device: | HTCOneGSM | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Fri Feb 6 13:14:30 EST 2015 Acquisition finished: Fri Feb 6 13:21:57 EST 2015 Non-ASCII Address book entries were acquired and properly displayed Non-ASCII text messages were acquired and properly displayed | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-AO-13 Acquisition of data containing non-ASCII</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-AO-13 Acquisition of data containing non-ASCII | as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-AO-13 Acquisition of data containing non-ASCII | as expected | | | | | |

| Test Case MDT-19 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | |
|---|--|--|
| | characters presented in their native format. | |
| Analysis: | Expected results achieved | |

275

276 1.2.109 MDT-22 – HTC One GSM

| Test Case MDT-22 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|---|--|--|-----------------------------|---------------|---|-------------|
| Case Summary: | MDT-22 Acquire mobile device internal memory and review hash values for vendor supported data objects. | | | | | |
| Assertions: | MDT-AO-15 If the mobile device forensic tool supports hashing for individual data objects then the tool shall present the user with a hash value for each supported data object. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Fri Feb 6 13:14:48 EST 2015 | | | | | |
| Device: | HTCOneGSM | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Fri Feb 6 13:14:48 EST 2015 Acquisition finished: Fri Feb 6 13:22:03 EST 2015 Hash values were properly reported for individually acquired device data elements | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-AO-15 Hash values for individual data and case presented in a useable format.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-AO-15 Hash values for individual data and case presented in a useable format. | as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-AO-15 Hash values for individual data and case presented in a useable format. | as expected | | | | | |
| Analysis: | Expected results achieved | | | | | |

277

278 1.2.110 MDT-24 – HTC One GSM

| Test Case MDT-24 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|--|--|--|-----------------------------|---------------|--|-------------|
| Case Summary: | MDT-24 Acquire mobile device internal memory and review data containing GPS longitude and latitude coordinates | | | | | |
| Assertions: | MDT-AO-16 If the mobile device forensic tool supports acquisition of GPS data then the tool shall present the user with the longitude and latitude coordinates for all GPS-related data in a useable format. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Fri Feb 6 13:15:07 EST 2015 | | | | | |
| Device: | HTCOneGSM | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Fri Feb 6 13:15:07 EST 2015 Acquisition finished: Fri Feb 6 13:22:08 EST 2015 GPS Coordinate data was successfully acquired | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-AO-16 Acquisition of GPS related data presented in a useable format.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-AO-16 Acquisition of GPS related data presented in a useable format. | as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-AO-16 Acquisition of GPS related data presented in a useable format. | as expected | | | | | |

| | |
|--|---------------------------|
| Test Case MDT-24 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | |
| Analysis: | Expected results achieved |

279

280 1.2.111 MDT-01 – HTC One CDMA

| Test Case MDT-01 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | |
|--|---|-----------------------------|---------------|---|-------------|
| Case Summary: | MDT-01 Acquire mobile device internal memory over tool-supported interfaces (e.g., cable, Bluetooth, IrDA). | | | | |
| Assertions: | MDT-CA-01 If a mobile device forensic tool provides support for connectivity of the target device then the tool shall successfully recognize the target device via all vendor supported interfaces (e.g., cable, Bluetooth, IrDA). | | | | |
| Tester Name: | rpa | | | | |
| Test Host: | p644381 | | | | |
| Test Date: | Fri Feb 6 13:07:11 EST 2015 | | | | |
| Device: | HTCOneCDMA | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Fri Feb 6 13:07:11 EST 2015 Acquisition finished: Fri Feb 6 13:20:15 EST 2015 Device connectivity was established via supported interface Notes: Save to archive after a successful acquisition did not allow the case file to be saved to the hard-drive. The device acquired has to be opened for analysis then saved the case to the hard-drive. | | | | |
| Results: | <table border="1"> <thead> <tr> <th>Assertion & Expected Result</th><th>Actual Result</th></tr> </thead> <tbody> <tr> <td>MDT-CA-01 Device connectivity via supported interfaces.</td><td>as expected</td></tr> </tbody> </table> | Assertion & Expected Result | Actual Result | MDT-CA-01 Device connectivity via supported interfaces. | as expected |
| Assertion & Expected Result | Actual Result | | | | |
| MDT-CA-01 Device connectivity via supported interfaces. | as expected | | | | |
| Analysis: | Expected results achieved | | | | |

281

282 1.2.112 MDT-02 – HTC One CDMA

| Test Case MDT-02 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | |
|--|--|-----------------------------|---------------|--|-------------|
| Case Summary: | MDT-02 Begin mobile device internal memory acquisition and interrupt connectivity by interface disengagement. | | | | |
| Assertions: | MDT-CA-02 If connectivity between the mobile device and mobile device forensic tool is disrupted then the tool shall notify the user that connectivity has been disrupted. | | | | |
| Tester Name: | rpa | | | | |
| Test Host: | p644381 | | | | |
| Test Date: | Fri Feb 6 13:07:32 EST 2015 | | | | |
| Device: | HTCOneCDMA | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Fri Feb 6 13:07:32 EST 2015 Acquisition finished: Fri Feb 6 13:20:20 EST 2015 Device acquisition disruption notification was successful | | | | |
| Results: | <table border="1"> <thead> <tr> <th>Assertion & Expected Result</th><th>Actual Result</th></tr> </thead> <tbody> <tr> <td>MDT-CA-02 Notification of device acquisition disruption.</td><td>as expected</td></tr> </tbody> </table> | Assertion & Expected Result | Actual Result | MDT-CA-02 Notification of device acquisition disruption. | as expected |
| Assertion & Expected Result | Actual Result | | | | |
| MDT-CA-02 Notification of device acquisition disruption. | as expected | | | | |
| Analysis: | Expected results achieved | | | | |

283 **1.2.113 MDT-03 – HTC One CDMA**

| Test Case MDT-03 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|--|--|--|-----------------------------|---------------|--|-------------|
| Case Summary: | MDT-03 Acquire mobile device internal memory and review reported data via the preview-pane or generated reports for readability. | | | | | |
| Assertions: | MDT-CA-03 If a mobile device forensic tool completes acquisition of the target device without error then the tool shall have the ability to present acquired data objects in a useable format via either a preview-pane or generated report. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Fri Feb 6 13:07:56 EST 2015 | | | | | |
| Device: | HTCOneCDMA | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Fri Feb 6 13:07:56 EST 2015 Acquisition finished: Fri Feb 6 13:20:27 EST 2015 Readability and completeness of acquired data was successful | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-CA-03 Readability and completeness of acquired data via supported reports.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-CA-03 Readability and completeness of acquired data via supported reports. | as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-CA-03 Readability and completeness of acquired data via supported reports. | as expected | | | | | |
| Analysis: | Expected results achieved | | | | | |

284

285 **1.2.114 MDT-04 – HTC One CDMA**

| Test Case MDT-04 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|---|--|---------------|-----------------------------|---------------|---|---------|
| Case Summary: | MDT-04 Acquire mobile device internal memory and review reported subscriber and equipment related information (e.g., IMSI, IMEI, MEID/ESN, MSISDN). | | | | | |
| Assertions: | MDT-CA-04 If a mobile device forensic tool completes acquisition of the target device without error then subscriber and equipment related information shall be presented in a useable format. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Fri Feb 6 13:08:15 EST 2015 | | | | | |
| Device: | HTCOneCDMA | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Fri Feb 6 13:08:15 EST 2015 Acquisition finished: Fri Feb 6 13:20:34 EST 2015 IMEI, MEID/ESN were acquired Notes: MSISDN was not reported. | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-CA-04 Acquisition of mobile device subscriber and equipment related data in a useable format.</td><td>Partial</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-CA-04 Acquisition of mobile device subscriber and equipment related data in a useable format. | Partial |
| | Assertion & Expected Result | Actual Result | | | | |
| MDT-CA-04 Acquisition of mobile device subscriber and equipment related data in a useable format. | Partial | | | | | |
| Analysis: | Partial results achieved | | | | | |

286

287

1.2.115 MDT-05 – HTC One CDMA

| Test Case MDT-05 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|---|---|--|-----------------------------|---------------|---|---------|
| Case Summary: | MDT-05 Acquire mobile device internal memory and review supported data elements (i.e., PIM data, call logs, SMS, MMS, stand-alone files: audio, pictures, video, application related data: documents, spreadsheets, presentations, social-media data and Internet related data: bookmarks, visited sites). | | | | | |
| Assertions: | MDT-CA-05 If a mobile device forensic tool completes acquisition of the target device without error then all supported data elements shall be presented in a useable format. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Fri Feb 6 13:08:34 EST 2015 | | | | | |
| Device: | HTCOneCDMA | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | <p>Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Fri Feb 6 13:08:34 EST 2015 Acquisition finished: Fri Feb 6 13:20:41 EST 2015</p> <p>Regular Length Address Book entries were acquired Maximum Length Address Book entries were not acquired Special Character Address Book entries were acquired Blank Name Address Book entries were acquired Email addresses within Address Book entries were acquired Embedded graphics within Address Book entries were acquired Basic PIM related data was acquired Maximum length PIM related data was not acquired All Call Logs (incoming, outgoing, missed) were acquired All Call Log date/time stamps data were correctly reported ALL text messages (SMS, EMS) were acquired Correct date/time stamps were reported for all text messages Correct status flags were reported for all text messages Sender and Recipient phone numbers associated with text messages were correctly reported ALL MMS messages (Audio, Image, Video) were acquired ALL stand-alone data files (Audio, Image, Video) were acquired All application data was acquired All Internet related data was acquired All Social media related data was acquired</p> <p>Notes: Only the first and last word of Contacts were reported. Notes were not reported under the organizer category. Recoverable deleted text messages were not reported.</p> | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-CA-05 Acquisition of all mobile device supported data elements in a useable format.</td><td>Partial</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-CA-05 Acquisition of all mobile device supported data elements in a useable format. | Partial |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-CA-05 Acquisition of all mobile device supported data elements in a useable format. | Partial | | | | | |
| Analysis: | Partial results achieved | | | | | |

291 **1.2.116 MDT-06 – HTC One CDMA**

| Test Case MDT-06 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | | | | | | |
|--|---|-----------------------------|---------------|---|-------------|--|----|---|----|--|-------------|
| Case Summary: | MDT-06 Acquire mobile device internal memory by selecting a combination of supported data elements. | | | | | | | | | | |
| Assertions: | MDT-CA-06 If a mobile device forensic tool provides the user with an Acquire All device data objects acquisition option then the tool shall complete the acquisition of all data objects without error. MDT-CA-07 If a mobile device forensic tool provides the user with an Select All individual device data objects then the tool shall complete the acquisition of all individually selected data objects without error. MDT-CA-08 If a mobile device forensic tool provides the user with the ability to Select Individual device data objects for acquisition then the tool shall acquire each exclusive data object without error. MDT-CA-09 If a mobile device forensic tool completes two consecutive logical acquisitions of the target device without error then the payload (data objects) on the mobile device shall remain consistent. | | | | | | | | | | |
| Tester Name: | rpa | | | | | | | | | | |
| Test Host: | p644381 | | | | | | | | | | |
| Test Date: | Fri Feb 6 13:09:00 EST 2015 | | | | | | | | | | |
| Device: | HTCOneCDMA | | | | | | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Fri Feb 6 13:09:00 EST 2015 Acquisition finished: Fri Feb 6 13:20:49 EST 2015 Acquire All acquisition was successful | | | | | | | | | | |
| Results: | <table border="1"> <thead> <tr> <th>Assertion & Expected Result</th><th>Actual Result</th></tr> </thead> <tbody> <tr> <td>MDT-CA-06 Acquire-all mobile device data objects acquisition.</td><td>as expected</td></tr> <tr> <td>MDT-CA-07 Select-all mobile device data objects acquisition.</td><td>NA</td></tr> <tr> <td>MDT-CA-08 Select-individual mobile device data objects acquisition.</td><td>NA</td></tr> <tr> <td>MDT-CA-09 Perform back-to-back acquisitions, check device payload for modifications.</td><td>as expected</td></tr> </tbody> </table> | Assertion & Expected Result | Actual Result | MDT-CA-06 Acquire-all mobile device data objects acquisition. | as expected | MDT-CA-07 Select-all mobile device data objects acquisition. | NA | MDT-CA-08 Select-individual mobile device data objects acquisition. | NA | MDT-CA-09 Perform back-to-back acquisitions, check device payload for modifications. | as expected |
| Assertion & Expected Result | Actual Result | | | | | | | | | | |
| MDT-CA-06 Acquire-all mobile device data objects acquisition. | as expected | | | | | | | | | | |
| MDT-CA-07 Select-all mobile device data objects acquisition. | NA | | | | | | | | | | |
| MDT-CA-08 Select-individual mobile device data objects acquisition. | NA | | | | | | | | | | |
| MDT-CA-09 Perform back-to-back acquisitions, check device payload for modifications. | as expected | | | | | | | | | | |
| Analysis: | Expected results achieved | | | | | | | | | | |

292

293 **1.2.117 MDT-12 – HTC One CDMA**

| Test Case MDT-12 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | |
|--|---|
| Case Summary: | MDT-12 After a successful mobile device internal memory, alter the case file via third-party means and attempt to re-open the case. |
| Assertions: | MDT-AO-08 If the case file or individual data objects are modified via third-party means then the tool shall provide protection mechanisms disallowing or reporting data modification. |
| Tester Name: | rpa |
| Test Host: | p644381 |
| Test Date: | Fri Feb 6 13:09:19 EST 2015 |
| Device: | HTCOneCDMA |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Fri Feb 6 13:09:19 EST 2015 Acquisition finished: Fri Feb 6 13:20:55 EST 2015 Notification of modified device memory data was successful |
| Results: | |

| Test Case MDT-12 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | |
|---|--|---------------|
| | Assertion & Expected Result | Actual Result |
| | MDT-AO-08 Notification of modified device case data. | as expected |
| Analysis: | Expected results achieved | |

294

295 1.2.118 MDT-19 – HTC One CDMA

| Test Case MDT-19 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | |
|---|--|-------------|
| Case Summary: | MDT-19 Acquire mobile device internal memory and review data containing non-ASCII characters. | |
| Assertions: | MDT-AO-13 If the mobile device forensic tool supports display of non-ASCII characters then acquired data containing non-ASCII characters should be presented in their native format. | |
| Tester Name: | rpa | |
| Test Host: | p644381 | |
| Test Date: | Fri Feb 6 13:10:05 EST 2015 | |
| Device: | HTCOneCDMA | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Fri Feb 6 13:10:05 EST 2015 Acquisition finished: Fri Feb 6 13:21:03 EST 2015 Non-ASCII Address book entries were acquired and properly displayed Non-ASCII text messages were acquired and properly displayed | |
| Results: | Assertion & Expected Result | |
| | MDT-AO-13 Acquisition of data containing non-ASCII characters presented in their native format. | as expected |
| Analysis: | Expected results achieved | |

296

297 1.2.119 MDT-22 – HTC One CDMA

| Test Case MDT-22 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | |
|---|--|-------------|
| Case Summary: | MDT-22 Acquire mobile device internal memory and review hash values for vendor supported data objects. | |
| Assertions: | MDT-AO-15 If the mobile device forensic tool supports hashing for individual data objects then the tool shall present the user with a hash value for each supported data object. | |
| Tester Name: | rpa | |
| Test Host: | p644381 | |
| Test Date: | Fri Feb 6 13:10:22 EST 2015 | |
| Device: | HTCOneCDMA | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Fri Feb 6 13:10:22 EST 2015 Acquisition finished: Fri Feb 6 13:21:09 EST 2015 Hash values were properly reported for individually acquired device data elements | |
| Results: | Assertion & Expected Result | |
| | MDT-AO-15 Hash values for individual data and case | as expected |

| Test Case MDT-22 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | |
|---|--------------------------------|--|
| | presented in a useable format. | |
| Analysis: | Expected results achieved | |

298

299 1.2.120 MDT-24 – HTC One CDMA

| Test Case MDT-24 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|--|--|--|-----------------------------|---------------|--|-------------|
| Case Summary: | MDT-24 Acquire mobile device internal memory and review data containing GPS longitude and latitude coordinates | | | | | |
| Assertions: | MDT-AO-16 If the mobile device forensic tool supports acquisition of GPS data then the tool shall present the user with the longitude and latitude coordinates for all GPS-related data in a useable format. | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Fri Feb 6 13:10:40 EST 2015 | | | | | |
| Device: | HTCOneCDMA | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Fri Feb 6 13:10:40 EST 2015 Acquisition finished: Fri Feb 6 13:21:15 EST 2015 GPS Coordinate data was successfully acquired | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-AO-16 Acquisition of GPS related data presented in a useable format.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-AO-16 Acquisition of GPS related data presented in a useable format. | as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-AO-16 Acquisition of GPS related data presented in a useable format. | as expected | | | | | |
| Analysis: | Expected results achieved | | | | | |

300

301 1.2.121 MDT-01 – Nexus4

| Test Case MDT-01 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|---|--|--|-----------------------------|---------------|---|-------------|
| Case Summary: | MDT-01 Acquire mobile device internal memory over tool-supported interfaces (e.g., cable, Bluetooth, IrDA). | | | | | |
| Assertions: | MDT-CA-01 If a mobile device forensic tool provides support for connectivity of the target device then the tool shall successfully recognize the target device via all vendor supported interfaces (e.g., cable, Bluetooth, IrDA). | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Mon Feb 9 08:46:33 EST 2015 | | | | | |
| Device: | Nexus4 | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Mon Feb 9 08:46:33 EST 2015 Acquisition finished: Mon Feb 9 08:46:40 EST 2015 Device Connectivity was not established via supported interface | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-CA-01 Device connectivity via supported interfaces.</td><td>as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-CA-01 Device connectivity via supported interfaces. | as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-CA-01 Device connectivity via supported interfaces. | as expected | | | | | |
| Analysis: | Expected results achieved | | | | | |

302 **1.2.122 MDT-01 – BlackBerry Q10**

| Test Case MDT-01 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|---|--|--|-----------------------------|---------------|---|-----------------|
| Case Summary: | MDT-01 Acquire mobile device internal memory over tool-supported interfaces (e.g., cable, Bluetooth, IrDA). | | | | | |
| Assertions: | MDT-CA-01 If a mobile device forensic tool provides support for connectivity of the target device then the tool shall successfully recognize the target device via all vendor supported interfaces (e.g., cable, Bluetooth, IrDA). | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Mon Feb 9 07:56:19 EST 2015 | | | | | |
| Device: | Blackberry Q10 | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Mon Feb 9 07:56:19 EST 2015 Acquisition finished: Mon Feb 9 07:56:52 EST 2015 Device Connectivity was not established via supported interface | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-CA-01 Device connectivity via supported interfaces.</td><td>Not as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-CA-01 Device connectivity via supported interfaces. | Not as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-CA-01 Device connectivity via supported interfaces. | Not as expected | | | | | |
| Analysis: | Expected results Not achieved | | | | | |

303

304 **1.2.123 MDT-01 – BlackBerry Z10**

| Test Case MDT-01 Oxygen Forensic Suite 2015 analyst version 7.0.0.408 | | | | | | |
|---|--|--|-----------------------------|---------------|---|-----------------|
| Case Summary: | MDT-01 Acquire mobile device internal memory over tool-supported interfaces (e.g., cable, Bluetooth, IrDA). | | | | | |
| Assertions: | MDT-CA-01 If a mobile device forensic tool provides support for connectivity of the target device then the tool shall successfully recognize the target device via all vendor supported interfaces (e.g., cable, Bluetooth, IrDA). | | | | | |
| Tester Name: | rpa | | | | | |
| Test Host: | p644381 | | | | | |
| Test Date: | Mon Feb 9 07:56:44 EST 2015 | | | | | |
| Device: | Blackberry_Z10 | | | | | |
| Source Setup: | OS: Mac OS X v10.8.5 Interface: cable | | | | | |
| Log Highlights: | Created by Oxygen Forensic Suite 2015 v7.0.0.408 Acquisition started: Mon Feb 9 07:56:44 EST 2015 Acquisition finished: Mon Feb 9 07:56:59 EST 2015 Device Connectivity was not established via supported interface | | | | | |
| Results: | <table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>MDT-CA-01 Device connectivity via supported interfaces.</td><td>Not as expected</td></tr></table> | | Assertion & Expected Result | Actual Result | MDT-CA-01 Device connectivity via supported interfaces. | Not as expected |
| Assertion & Expected Result | Actual Result | | | | | |
| MDT-CA-01 Device connectivity via supported interfaces. | Not as expected | | | | | |
| Analysis: | Expected results Not achieved | | | | | |

305